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TWELFTH ANNUAL REPORT

RELATING TO THE REGISTRY AND RETURN OF

BIRTHS, MARRIAGES, AND DEATHS,

IN

MICHIGAN FOR THE YEAR 1878.

BY THE

SECRETARY OF STATE

OF THE

STATE OF MICHIGAN.

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MICHIGAN
DEPARTMENT OF STATE,
OFFICE OF THE SECRETARY,
Lansing, 1884.

HON. JOSIAH W. BEGOLE, *Governor of Michigan.*

SIR,—I have the honor herewith to submit the Twelfth Annual Report of this Department, relating to Births, Marriages, and Deaths, in accordance with the provisions of the Statute Laws of this State.

As with the Registration Report of Michigan for the year 1877, the principal part of the labor of preparing the Report for the year 1878 had also been performed before the commencement of my term of office.

As in former years, for the convenience of comparison, and to enable a better consideration of its individual questions, the present volume has its principal subjects arranged in divisions. The first presents, collectively, a grouping of the most important data pertaining to Births, Marriages, and Deaths, so arranged as to facilitate immediate comparison. The subject of Births is next singly presented in its numerous details; this being succeeded by the subjects of Marriages and Deaths, each treated in a similar manner. In that division pertaining to Deaths the consideration of the causes of Deaths and also the relation of meteorological conditions for the year to the several causes of deaths are carefully examined.

The number of Births in Michigan in 1878, as shown by the returns, was 35,162, a larger number than ever returned in Michigan in any preceding year. There was, also, returned for that year considerably the largest number of marriages ever solemnized in Michigan in one year, the number being 12,221. With the exception of the month of July, the number of marriages in each month, in 1878, exceeded the monthly average for the same months for a period of nine years, as deduced from data collected in this State. These facts are indicative of the material prosperity of Michigan in 1878. The number of deaths returned in 1878 was less than in 1877, and did not greatly exceed the number of deaths returned for several preceding years.

That the present volume may prove a valuable contribution to the subject of social science, and especially so far as it relates to the welfare of Michigan, is my earnest desire.

Respectfully submitted,

Secretary of State.

BIRTHS, MARRIAGES, AND DEATHS,

IN MICHIGAN,

DURING THE YEAR 1878.

The number of births, marriages, and deaths, and the excess of births over deaths, for each of the years 1873–1878, may be seen in Exhibit A, the number of births and deaths being shown as returned, and as corrected for omissions in the enumeration. The greatest excess of births over deaths as returned was in 1878; and when the births and deaths are corrected for omissions in the enumeration, the greatest excess is shown to have been in 1874. The average natural annual increase of population as per births and deaths returned during the years 1872–1878 was 19,732; and when the births and deaths are corrected for omissions in the enumeration, the average natural annual increase of population during the years 1872–1878 was 29,099.

EXHIBIT A.—*Births, Marriages, and Deaths in Michigan during the Years 1873 to 1878, inclusive, including those in unknown month, and Excess of Births over Deaths, as Returned, and after they have been Corrected for Omissions in the Enumeration.*

		1873.	1874.	1875.	1876.	1877.	1878.
As Returned.	Marriages.....[a]	11,873	12,211	11,703	11,610	11,009	12,221
	Births.....	34,608	31,151	31,958	34,235	33,395	35,162
	Deaths.....	14,258	12,500	11,990	12,576	12,919	12,766
	Excess of Births over Deaths....	20,350	18,651	19,968	21,659	20,476	22,396
As Corrected for Omissions.	Births.....	45,088	55,841	46,553	45,172	50,203	52,145
	Deaths.....	20,312	20,090	17,289	18,389	18,341	18,866
	Excess of Births over Deaths....	24,776	35,751	29,264	26,783	31,862	33,279

[a] Corrected, for additional returns, up to December 20, 1879.

Many important statements concerning births, marriages, and deaths, in this State may be found in Exhibit B. It may be seen that in the column for 1878 the numbers are generally less than in that for 1877 wherever the number of inhabitants is a factor in the computation, and it should be borne in mind that, while the population of the State is increasing, the population in 1874 was used in computing statements for this column, and allowance is, therefore, not made for the increase of population, and this will probably explain the general decrease in the numbers for 1878.

The average natural daily increase of population as per births and deaths returned was, during the years 1872–1878, 54.04 years, and when the births and deaths are corrected for omissions in the enumeration, the average natural daily increase of population, for the years 1872–1878, was 79.70 years.

EXHIBIT B.—*Statements concerning Births, Marriages, and Deaths in Michigan during the Years 1873–1878, inclusive. (According to the Returns of Births, Marriages, or Deaths, as the case may be, except some correction is mentioned.)*

	1873.[a]	1874.[a]	1875.[b]	1876.[b]	1877.[b]	1878.[b]
Inhabitants represented by returns of marriages to one marriage[c]	99.54	96.70	112.91	112.92	114.30	109.16
In population represented by marriages, males to one marriage	51.97	50.48	59.01	59 01	59.73	57.05
In population represented by marriages, females to one marriage	47.58	46.22	53.90	53.91	54.57	52.11
Male inhabitants at ages at which marriages occurred to one marriage	31.79	30.89	d	d	d	d
Female inhabitants at ages at which marriages occurred to one marriage	32.30	30.32	d	d	d	d
Inhabitants represented by births to each child returned	34.07	37.89	41.52	38.56	39.82	37.78
Inhabitants, males to each male child returned	34.35	37.84	41.98	38.86	40.33	38.09
Inhabitants, females to each female child returned	33.90	38.08	41.24	38.38	39.42	37.60
Inhabitants, females aged 16 to 45 to each child returned	7.32	8.16	d	d	d	d
Children born to 100 females aged 16 to 45	13.66	12.25	d	d	d	d
Inhabitants represented by deaths to one death	82.46	93.77	110.25	104.74	102.28	103.32
Inhabitants, males to one death of male	80.16	91.76	107.09	101.84	101.08	103.83
Inhabitants, females to one death of female	85.34	96.59	115.14	109.21	104.51	103.64
Deaths, males to 100 females	116.10	114.83	117.58	117.27	113.03	109.04
Births, males to 100 females	107.67	109.88	107.43	108.05	106.94	108.02
Total population of State, males to 100 females	109.22	109.22	109.47	109.47	109.47	109.47
Births to one death	2 43	2.49	2.67	2.72	2.58	2.75
Births, males to one death of male	2.34	2.44	2.56	2.63	2.52	2.75
Births, females to one death of female	2.52	2.55	2 80	2.85	2.67	2.77
Children born of which the sex was unknown or not stated	68.00	49.00	82.00	56.00	59.00	67.00
Decedents of which the sex was unknown or not stated	17.00	31.00	58.00	59.00	52.00	52.00
Natural daily increase of population, as per births and deaths returned	55.76	51.10	54.71	59.34	56.10	61.35
Natural daily increase of population, when returns are corrected as in 4th line of Exhibit A, page 5, and exhibit C, page, 109	67.88	97.95	80.17	73.38	87.29	91.17

[a] In computing statements for this column, the inhabitants, June 1, 1870, were used.
[b] In computing statements for this column, the inhabitants in 1874 were used.
[c] Marriages, corrected for additional returns up to December 20, 1879.
[d] Population for 1874, by ages, cannot be ascertained.

Table I. shows the number of births, marriages, and deaths in Michigan in 1878 during certain specified periods of time. The births and deaths are shown as returned and as corrected for omissions in the enumeration. Using the number of births, marriages, and deaths which probably occurred in 1878, according to the corrections, the computation shows that, in round numbers, one child was born every 10 minutes, one marriage solemnized every 40 minutes, and one person died every 30 minutes, in this State.

TABLE I.—*The number of Marriages, Births, and Deaths, and Excess of Births over Deaths in the State of Michigan during the Year 1878, and the Average Number and Excess during Specified Periods of Time within the Year 1878, as Returned, and the same for Births and Deaths as Corrected for Omissions in the Enumeration.*

	PERIODS OF TIME,—1878.	Marriages, 1878.	Births, 1878.	Deaths, 1878.	Excess of Births over Deaths.
As Returned.	Year, 1878[a]	12,221 00	35,162.00	12,766.00	22,396.00
	Quarter	3,055.25	8,790.50	3,191.50	5,599.00
	Month	1,018 42	2,930.17	1,063.83	1,866.34
	Week	235.02	676 19	245.50	430 69
	Day	33 48	96.33	34.98	61.35
Births and Deaths as Corrected.[b]	Year, 1878[a]	.....	52,145.00	18,866.00	33,279.00
	Quarter	.....	13,036.25	4,716.50	8,319.75
	Month	.....	4,345.42	1,572.17	2,773.25
	Week	.....	1,002.79	362.81	639.98
	Day	.....	142.86	51.69	91.17

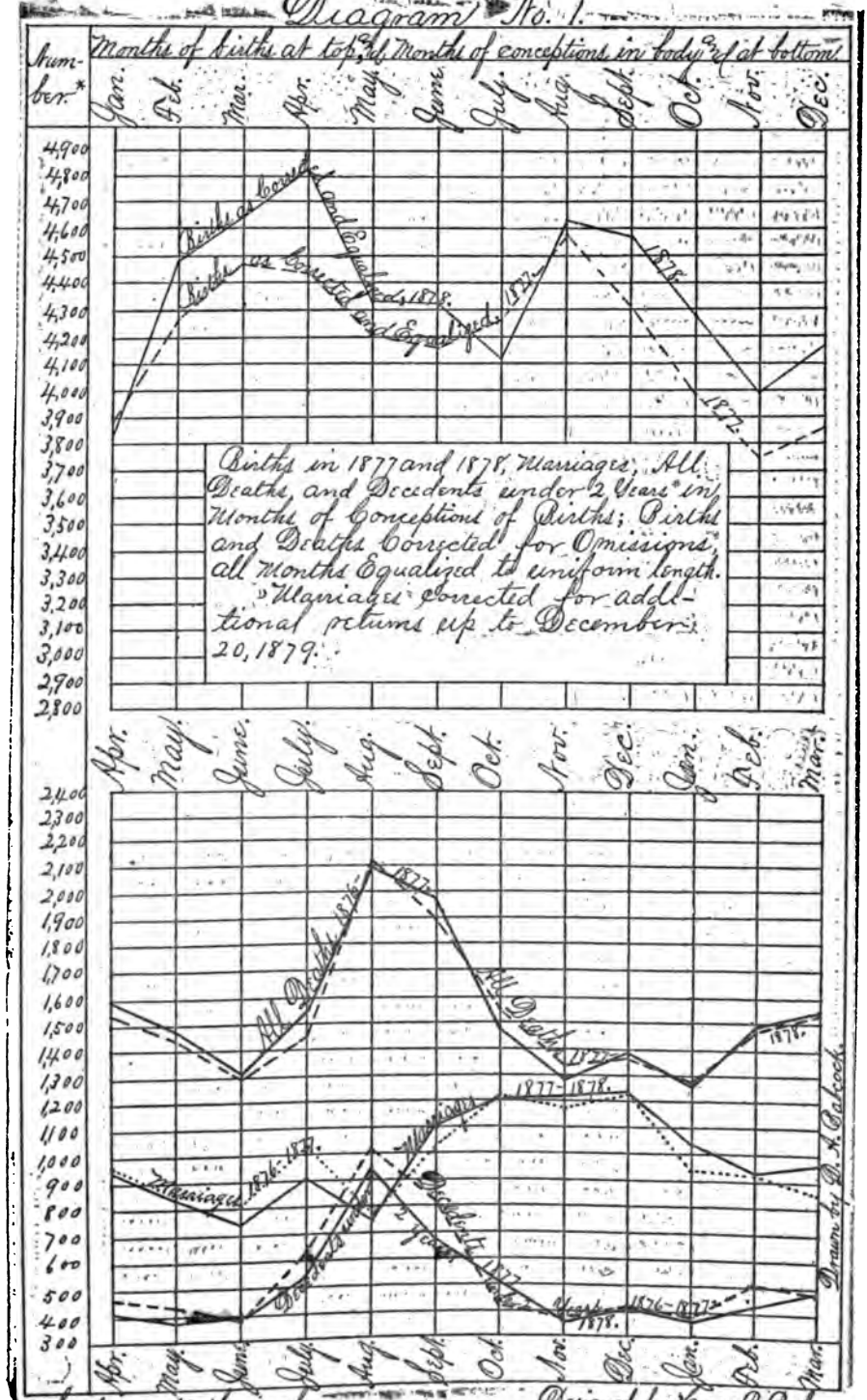
[a] Unknown month included.
[b] Corrected as if enumerated in months of occurrence.

EXHIBIT 1.—*By Months, the Births, Deaths, and Excess of Births over Deaths in Michigan during each of the Years 1873 to 1878, inclusive, according to the Returns.*

		Total.[a]	Months.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1873	Births	34,538	2,112	2,249	2,847	2,711	2,794	2,599	2,915	3,342	3,436	3,165	3,017	3,351
	Deaths	14,189	859	1,104	1,248	1,174	1,121	1,040	1,176	1,535	1,471	1,258	1,067	1,136
	Excess of births	20,349	1,253	1,145	1,599	1,537	1,673	1,559	1,739	1,807	1,965	1,907	1,950	2,215
1874	Births	31,106	1,899	1,954	2,462	2,464	2,586	2,558	2,761	3,077	2,972	2,726	2,726	2,921
	Deaths	12,454	655	672	919	1,102	1,071	866	965	1,388	1,517	1,211	968	1,120
	Excess of births	18,652	1,244	1,282	1,543	1,362	1,515	1,692	1,796	1,689	1,455	1,515	1,758	1,801
1875	Births	31,898	2,089	2,121	2,415	2,710	2,722	2,530	2,725	3,103	3,081	2,819	2,727	2,856
	Deaths	11,919	736	898	1,045	1,003	1,022	808	893	1,222	1,219	1,080	928	1,065
	Excess of births	19,979	1,353	1,223	1,370	1,707	1,700	1,722	1,832	1,881	1,862	1,739	1,799	1,791
1876	Births	34,131	2,283	2,352	2,744	2,730	2,870	2,739	3,014	3,124	3,110	3,039	2,921	3,205
	Deaths	12,545	685	800	975	978	970	855	1,079	1,507	1,423	1,131	989	1,153
	Excess of births	21,586	1,598	1,552	1,769	1,752	1,900	1,884	1,935	1,617	1,687	1,908	1,932	2,052
1877	Births	33,324	2,212	2,246	2,690	2,655	2,683	2,657	2,899	3,227	3,048	3,015	2,847	3,145
	Deaths	12,863	766	843	990	978	976	875	1,040	1,559	1,400	1,221	1,060	1,155
	Excess of births	20,461	1,446	1,403	1,700	1,677	1,707	1,782	1,859	1,668	1,648	1,794	1,787	1,990
1878	Births	35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
	Deaths	12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
	Excess of births	22,388	1,471	1,625	1,906	1,908	1,882	1,927	1,818	1,924	1,917	2,076	1,880	2,054
Monthly averages of excess for 1872 to 1878, inclusive		19,720	1,362	1,339	1,592	1,579	1,668	1,714	1,763	1,666	1,656	1,721	1,772	1,886

[a] Unknown month excluded.

Diagram No. 1.



* Scale = 700 to the inch.

Designed by Henry B. Baker.

EXHIBIT 2.—*Births in Michigan, by Months, during the Year 1878, and Marriages and Deaths during the Months of Conception of same, showing the Births and Deaths as Returned, as Corrected for Omissions in Enumerating, and Equalized for Increase of Population during the Year,—all Months Equalized to Uniform length of 30.44 days.*

	Total.a	Months,—1878.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Av. Mo.
Births, 1878, equalized to months of uniform length....	35,144	— 2,162	— 2,624	— 2,785	+ 2,980	— 2,755	— 2,838	— 2,784	+ 3,236	+ 3,307	+ 3,207	+ 3,105	+ 3,361	2,928 67
Births, 1878, corrected for omissions in enumerating, and equalized to months of uniform length.	52,178	— 3,811	+ 4,491	+ 4,645	+ 4,829	— 4,331	— 4,328	— 4,112	+ 4,625	+ 4,570	— 4,278	— 3,995	— 4,163	4,348.17

		Months,—1877.									1878.			
		Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Av. Mo.
Marriages,b equalized to months of uniform length ...	11,867	— 947	— 834	— 740	— 908	— 753	+ 1,103	+ 1,201	+ 1,207	+ 1,235	+ 1,036	— 931	— 972	988.92
Deaths, equalized to months of uniform length.....	12,708	— 992	— 958	— 888	— 1,021	+ 1,531	+ 1,421	+ 1,199	+ 1,075	+ 1,134	— 717	— 858	— 914	1,059.00
Deaths, corrected for omissions in enumerating, and equalized to months of uniform length.	18,283	+ 1,534	— 1,441	— 1,298	— 1,450	+ 2,109	+ 1,897	+ 1,551	— 1,346	— 1,372	1,272	— 1,481	+ 1,532	1,523.58
Deaths, corrected and equalized, equalized to months of uniform length....	18,697	+ 1,583	— 1,482	— 1,329	— 1,481	+ 2,147	+ 1,924	+ 1,568	— 1,356	— 1,377	1,326	— 1,538	+ 1,586	1,556.08

a Excluding unknown month.
b Corrected for additional returns up to Dec. 20, 1879.

EXHIBIT D.—*Grouping the Evidence of the Vital Statistics on the subject of the Comparative Natural Increase of Native and of Foreign-born Inhabitants of Michigan, by Excess of Births over Deaths, according to the Returns, the Evidence Exhibited Covering the Years 1873 to 1878, inclusive.*

BIRTHS, DEATHS, AND EXCESS OF BIRTHS.	1873.			1874.			1875.			1876.			1877.			1878.		
	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.	Total.	Both Parents of Children Native. Deaths of Native-born.	Both Parents of Children Foreign. Deaths of Foreign-born.
Births by parent nativity	[a] 34,608	16,202	11,946	[a] 31,151	13,341	10,517	[a] 31,038	14,226	11,120	[a] 34,235	15,551	11,901	[a] 33,395	15,270	11,557	[a] 35,162	16,323	11,992
Deaths, by nativity	[b] 14,248	[c] 11,600	[d] 2,334	[b] 12,500	[c] 9,937	[d] 2,128	[b] 11,990	[c] 9,573	[d] 2,106	[b] 12,576	[c] 10,147	[d] 2,078	[b] 12,919	[c] 10,305	[d] 2,251	[b] 12,766	[c] 10,183	[d] 2,237
Excess of births over deaths	20,360	4,602	9,612	18,651	3,404	8,389	19,968	4,653	9,014	21,659	5,404	9,823	20,476	4,965	9,306	22,396	6,140	9,755

[a] Includes children of mixed parentage and those where the nativity of one or both parents is unknown.
[b] Includes deaths of persons of unknown nativity.
[c] Includes all deaths of persons born in the United States, whether born of native or of foreign-born parents.
[d] Includes only persons who were born in foreign countries.

The evidence of the Vital Statistics for the years 1873–1878, on the subject of the comparative natural increase of population in Michigan is shown in Exhibit D. This increase (the excess of births over deaths) is very much greater among the foreign-born than among the native-born. It should be borne in mind that most of the infants and young children who die in this State are native-born, and it is among them the death-rate is proportionately very large.

EXHIBIT E.—*Showing, for the State and Counties of Michigan, the Number of Births and Deaths returned to this Department as having occurred out of Michigan during the year 1878.*

STATE AND COUNTIES.	1878.		COUNTIES.	1878.	
	Births.	Deaths.		Births.	Deaths.
STATE	271	75	Kalkaska	3	.....
Alcona	7	.....	Kent	13	6
Allegan	.....	2	Lapeer	4	1
Alpena	2	.....	Leelanaw	2	.....
Antrim	1	2	Lenawee	12	5
Barry	1	1	Livingston	2	.....
Bay	12	4	Macomb	4	4
Benzie	1	.....	Manistee	2	.....
Berrien	8	.....	Mason	3	1
Branch	4	1	Mecosta	3	.....
Calhoun	5	2	Menominee	4	.....
Cass	4	4	Midland	5	.....
Charlevoix	2	.....	Monroe	1	2
Cheboygan	4	.....	Montcalm	10	1
Clinton	9	.....	Muskegon	4	2
Delta	1	.....	Newaygo	3	.....
Eaton	3	2	Osceola	8	.....
Genesee	6	1	Saginaw	12	7
Grand Traverse	2	.....	Sanilac	9	.....
Gratiot	4	.....	Shiawassee	4	2
Houghton	6	2	St. Clair	13	3
Huron	6	.....	St. Joseph	4	2
Ingham	6	.....	Tuscola	5	.....
Ionia	5	1	Van Buren	5	1
Isabella	1	.....	Washtenaw	3	2
Jackson	12	1	Wayne	14	12
Kalamazoo	4	1	Wexford	3	.....

TABLE II.—*Exhibiting, by Sex, the Population in 1874, the Number of Marriages, Births, and Deaths, and the Excess of Births over Deaths, in Michigan during the Year 1878, according to the Returns.*

STATE AND COUNTIES.	Population, 1874.			Marriages, 1878.	Births, 1878.				Deaths, 1878.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown		Males.	Females.	Unknown.		Males.	Females.	Unknown.
STATE	1,334,031	697,184	636,847	12,221	35,162	18,224	16,871	67	12,766	6,632	6,082	52	22,396	11,592	10,789	15
Alcona	1,214	688	526	6	34	15	19	.....	19	13	6	.....	15	2	13	.....
Allegan	32,381	16,976	15,405	275	813	409	403	1	278	139	138	1	535	270	265	.....
Alpena	4,807	2,808	1,999	54	194	108	85	1	60	36	23	1	134	72	62	.....
Antrim[b]	3,002	1,654	1,348	32	90	45	45	.....	33	18	15	.....	57	27	30	.....
Baraga[c]	.....	.....	.....	7	54	31	23	.....	23	9	14	.....	31	22	9	.....
Barry	22,051	11,588	10,463	212	482	253	229	.....	139	63	76	.....	343	190	153	.....
Bay	24,832	13,657	11,175	246	920	451	469	.....	247	142	105	.....	673	309	364	.....
Benzie	2,663	1,422	1,241	21	84	43	41	.....	13	9	4	.....	71	34	37	.....
Berrien	35,029	17,942	17,087	422	771	397	372	2	313	161	150	2	458	236	222	.....
Branch	25,726	13,041	12,685	310	482	244	237	1	204	109	94	1	278	135	143	.....
Calhoun	35,655	18,156	17,499	321	594	299	293	2	260	126	131	3	334	173	162	-1
Cass	20,525	10,592	9,933	202	447	234	213	.....	223	116	107	.....	224	118	106	.....
Charlevoix	2,360	1,280	1,080	29	118	63	55	.....	32	18	14	.....	86	45	41	.....
Cheboygan	3,070	1,706	1,364	40	120	49	70	1	71	32	38	1	49	17	32	.....
Chippewa[d]	2,170	1,222	948	12	99	47	52	.....	41	25	16	.....	58	22	36	.....
Clare	1,354	745	609	16	80	36	44	.....	20	10	9	1	60	26	35	-1
Clinton	23,661	12,162	11,499	228	615	315	300	.....	247	125	122	.....	368	190	178	.....
Crawford[e]	.....	.....	.....	.....	13	6	7	.....	4	3	1	.....	9	3	6	.....
Delta	4,741	2,882	1,859	43	161	82	79	.....	42	28	14	.....	119	54	65	.....

Eaton	26,907	13,875	13,032	266	605	295	309	1	273	125	148	.....	332	170	161	1
Emmet	1,272	669	603	55	104	50	53	1	66	36	30	.....	38	14	23	1
Genesee	34,568	17,536	17,032	391	768	377	391	.....	306	149	157	.....	462	228	234	.....
Gladwin	265	145	120	4	18	10	8	.....	7	5	2	.....	11	5	6	.....
Grand Traverse	5,349	2,801	2,548	52	148	84	64	.....	49	20	29	.....	99	64	35	.....
Gratiot	13,886	7,304	6,582	133	416	223	193	.....	111	50	61	.....	305	173	132	.....
Hillsdale	31,566	15,971	15,595	371	510	264	246	.....	288	146	142	.....	222	118	104	.....
Houghton [c]	19,030	11,013	8,017	159	914	469	442	3	263	155	105	3	651	314	337	.....
Huron	11,964	6,614	5,350	120	570	298	272	.....	101	54	47	.....	469	244	225	.....
Ingham	29,193	15,204	13,989	395	593	312	280	1	193	106	87	.....	400	206	193	1
Ionia	28,376	14,788	13,588	276	621	316	304	1	230	114	115	1	391	202	189	.....
Iosco [f]	4,575	2,706	1,869	46	68	39	29	.....	52	33	19	.....	16	6	10	.....
Isabella [g]	6,059	3,273	2,786	56	229	116	113	.....	75	49	26	.....	154	67	87	.....
Isle Royal [h]	4	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	37,988	19,853	18,135	358	779	411	368	.....	347	190	157	.....	432	221	211	.....
Kalamazoo	32,284	16,583	15,701	302	593	325	267	1	281	144	136	1	312	181	131	.....
Kalkaska [e]	1,259	692	567	30	66	29	37	.....	18	9	9	.....	48	20	28	.....
Kent	62,671	32,576	30,095	579	1,631	829	798	4	560	266	291	3	1,071	563	507	1
Keweenaw	5,411	3,233	2,178	26	269	141	126	2	52	30	21	1	217	111	105	1
Lake	1,813	1,015	798	16	69	33	36	.....	22	8	14	.....	47	25	22	.....

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of deaths from the township of Central Lake.
[c] The population of Baraga county is included in population of Houghton county, and cannot be ascertained.
[d] No returns of births nor deaths from the townships of Detour and Sugar Island.
[e] The population of Crawford county is included in population of Kalkaska county and cannot be ascertained.
[f] No returns of deaths from the township of Oscoda.
[g] No returns of births from the township of Rolland. Returns of deaths received too late for compilation.
[h] No returns of births, marriages, nor deaths.

TABLE II.—CONTINUED.

COUNTIES.	Population 1874.			Marriages, 1878.	Births, 1878.				Deaths, 1878.				Excess of Births over Deaths.[a]			
	Total.	Sex.			Total.	Sex.			Total.	Sex.			Total.	Sex.		
		Males.	Females.			Males.	Females.	Unknown.		Males.	Females.	Unknown.		Males.	Females.	Unknown.
Lapeer	25,140	13,095	12,045	229	540	279	260	1	180	102	77	1	360	177	183	.....
Leelanaw	5,031	2,692	2,339	27	162	90	72	.....	49	22	27	.....	113	68	45	.....
Lenawee	46,084	23,256	22,828	408	752	404	344	4	330	167	162	1	422	237	182	3
Livingston	20,329	10,569	9,760	135	449	213	236	.....	156	72	84	.....	293	141	152	.....
Mackinac[b]	1,496	765	731	25	37	19	18	.....	15	4	11	.....	22	15	7	.....
Macomb	28,305	14,367	13,938	233	693	379	313	1	279	147	132	.....	414	232	181	1
Manistee	8,471	4,792	3,679	75	355	190	165	.....	84	45	39	.....	271	145	126	.....
Manitou	657	364	293	11	30	16	14	.....	6	3	3	.....	24	13	11	.....
Marquette	21,946	12,893	9,053	96	721	379	342	.....	227	141	86	.....	494	238	256	.....
Mason	5,361	2,971	2,390	71	183	94	89	.....	61	40	21	.....	122	54	68	.....
Mecosta	9,132	4,874	4,258	102	265	126	137	2	73	31	42	.....	192	95	95	2
Menominee[c]	3,490	2,213	1,277	35	45	23	22	.....	9	6	3	.....	36	17	19	.....
Midland	4,765	2,593	2,172	54	169	83	86	.....	52	18	34	.....	117	65	52	.....
Missaukee	606	395	211	6	38	17	21	.....	21	11	10	.....	17	6	11	.....
Monroe	30,111	15,302	14,809	305	859	445	412	2	310	159	148	3	549	286	264	-1
Montcalm	20,815	11,311	9,504	233	605	333	271	1	198	95	101	2	407	238	170	-1
Muskegon[d]	19,375	10,761	8,614	161	533	299	234	.....	171	88	83	.....	362	211	151	.....
Newaygo	8,758	4,879	3,879	76	243	135	105	3	78	43	33	2	165	92	72	1
Oakland	38,082	19,446	18,636	301	641	321	316	4	331	172	156	3	310	149	160	1
Oceana	8,360	4,581	3,779	81	275	134	141	.....	76	34	42	.....	199	100	99	.....
Ogemaw	207	153	54	3	5	3	2	.....	6	.....	6	.....	-1	3	-4	.....

Ontonagon	2,406	1,276	1,130	10	69	34	35	.....	33	14	19	.....	36	20	16	.....
Osceola	6,216	3,491	2,725	75	257	145	111	1	89	44	45	.....	168	101	66	1
Otsego	238	162	76	7	23	14	9	.....	2	2	.....	.....	21	12	9	.....
Ottawa	29,929	15,789	14,140	216	859	423	434	2	249	133	116	.....	619	290	318	2
Presque Isle	1,615	851	764	4	92	45	47	.....	26	11	15	.....	66	34	32	.....
Roscommon	276	187	89	3	5	4	1	.....	6	6	.....	.....	-1	-2	1	.....
Saginaw	48,409	25,968	22,441	371	1,391	715	676	.....	524	257	265	2	867	458	411	-2
Sanilac	16,292	8,652	7,640	152	623	339	283	1	135	71	63	1	488	268	220	.....
Schoolcraft[e]	1,290	824	466	9	14	6	8	.....	4	2	2	.....	10	4	6	.....
Shiawassee[f]	21,773	11,265	10,508	165	510	256	254	.....	137	71	66	.....	373	185	188	.....
St. Clair[g]	40,688	21,181	19,507	299	977	522	455	.....	319	171	148	.....	658	351	307	.....
St. Joseph	25,906	13,267	12,639	314	489	246	243	.....	204	102	102	.....	285	144	141	.....
Tuscola	16,998	8,950	8,048	189	515	262	253	.....	150	79	71	.....	365	183	182	.....
Van Buren	29,156	15,062	14,094	268	616	317	298	1	248	135	112	1	368	182	186	.....
Washtenaw	38,723	19,553	19,170	266	589	306	281	2	330	176	153	1	259	130	128	1
Wayne[h]	144,903	72,306	72,597	1,049	5,192	2,765	2,410	17	1,949	1,038	896	15	3,243	1,727	1,514	2
Wexford	3,011	1,752	1,259	46	199	95	101	3	86	49	36	1	113	46	65	2

[a] The figures with the minus sign placed before them indicate the excess of deaths over births.
[b] No returns of births nor deaths from the townships of Hendricks, Holmes, Newton, and St. Ignace.
[c] No returns of births from the townships of Cedarville, Breitung, and Spaulding, and no returns of deaths from the townships of Cedarville, Ingalliston, Menominee, and Spaulding.
[d] No returns of births nor deaths from the township of Montague.
[e] No returns of births nor deaths from the township of Munising, and no returns of deaths from the township of Onota.
[f] No returns of births nor deaths from the township of Burns.
[g] No returns of deaths from the township of St. Clair.
[h] No returns of deaths from the township of Grosse Point.

BIRTHS, 1878.

Judging from the tables of births compiled in the State Department, the year 1878 was an unusually fruitful one, the enumeration of the births was more thoroughly performed than usual, or the returns of births more complete than in previous years. During the year 1878, according to the returns to the State Department, 35,162 births occurred in Michigan,—the largest number ever returned as having occurred in this State in any one year. This, however, probably does not include all the births which actually occurred in this State in 1878,—only about 67.41 per cent. of them, as may be seen in the following exhibits. According to the compiler's method of correcting the number of births returned, in order to make it equal the number which probably occurred, the number returned should be increased by about 48.34 per cent. in order to make it equal the number which actually occurred, which number, as shown by Exhibit A, page 5, including the births in unknown month, is 52,145.

YEARS.	Per Cent. of Births Returned.	Per Cent. of Births Added as Correction for Omissions.
1871	70.00	42.86
1872	64.95	43.95
1873	76.72	30.34
1874	55.75	79.37
1875	68.61	45.76
1876	75.73	32.04
1877	66.47	50.44
1878	67.41	48.34
Average for 8 years	68.21	46.64

The average number of births during each of certain specified periods of time, including unknown month, is as follows:

PERIODS OF TIME.	Births as Returned.	Corrected as per Exhibit A, 4th line.
Per quarter	8,790.50	13,036.25
Per month	2,930.17	4,345.42
Per week	676.19	1,002.79
Per day	96.33	142 86

Table I. shows, by quarters of the year, for each of the years 1873–1878, the number and per cent. of children returned as having been born in this State. In 1878, the largest proportion is shown for the last quarter of the year. This has not occurred before in this State, except in 1871, the largest proportion in each of the other years 1868–1878, having been returned for the third quarter of the year,—ending with September.

TABLE I.—*Births by Quarters of the year, Exhibiting the Number and Per Cent. of Totals for each of the Years 1873 to 1878, inclusive, as Returned, and as Corrected for Omissions in the Enumeration.*

	TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1873.		1874.		1875.		1876.		1877.		1878.	
		Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per. Ct. of Total.
As Returned.	Totals....	34,608	100.00	31,151	100.00	31,958	100.00	34,235	100.00	33,395	100.00	35,162	100.00
	March....	7,208	20.83	6,315	20.27	6,625	20.73	7,379	21.55	7,148	21.40	7,451	21.19
	June.....	8,104	23.42	7,608	24.42	7,962	24.91	8,339	24.36	7,995	23.94	8,539	24.28
	Sept.....	9,693	28.01	8,810	28.28	8,909	27.88	9,248	27.01	9,174	27.47	9,390	26.70
	Dec.....	9,533	27.54	8,373	26.88	8,402	26.29	9,165	26.77	9,007	26.97	9,750	27.73
	Unknown	70	.20	45	.14	60	.19	104	.30	71	.21	32	.09
	Average.[a]	8,652	25.00	7,788	25.00	7,990	25.00	8,559	25.00	8,349	25.00	8,791	25.00
As Corrected for Omissions.	Totals....	45,088	100.00	55,841	100.00	46,553	100.00	45,172	100.00	50,203	100.00	52,145	100.00
	March....	10,314	22.88	13,707	24.55	11,074	23.79	10,840	24.00	12,446	24.79	12,742	24.44
	June.....	10,920	24.22	14,768	26.45	12,261	26.34	11,480	25.41	12,748	25.39	13,435	25.76
	Sept.....	12,201	27.06	15,019	26.90	12,494	26.84	11,858	26.25	13,258	26.41	13,402	25.70
	Dec.....	11,583	25.69	12,302	22.03	10,664	22.91	10,890	24.11	11,680	23.27	12,534	24.04
	Unknown	70	.16	45	.08	60	.13	104	.23	71	.14	32	.06
	Average.[a]	11,272	25.00	13,960	25.00	11,638	25.00	11,293	25.00	12,551	25.00	13,036	25.00

[a] The number in unknown quarter of year included.

TABLE II.—*Births during each of the Years 1873—1878, inclusive, according to the Returns, exhibiting the Number and Per Cent. of Total, by Months, arranged in Order, those Months first which have the greatest Number of births.*

Order.	1873.			1874.			1875.			1876.			1877.			1878.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total..	34,608	100.00	Total..	31,151	100.00	Total..	31,958	100.00	Total..	34,235	100.00	Total..	33,395	100.00	Total..	35,162	100.00
1	Sept....	3,436	9.93	Aug. ..	3,077	9.88	Aug....	3,103	9.71	Dec. ...	3,205	9.36	Aug. ..	3,227	9.66	Dec....	3,423	9.73
2	Dec....	3,351	9.68	Sept. ..	2,972	9.54	Sept. ..	3,081	9.64	Aug. ..	3,124	9.13	Dec....	3,145	9.42	Aug. ..	3,295	9.37
3	Aug. ..	3,342	9.66	Dec....	2,921	9.38	Dec....	2,856	8.94	Sept....	3,110	9.08	Sept. ..	3,048	9.13	Oct. ...	3,266	9.29
4	Oct.....	3,165	9.15	July...	2,761	8.86	Oct. ...	2,819	8.82	Oct.....	3,039	8.88	Oct. ...	3,015	9.03	Sept. ..	3,260	9.27
5	Nov....	3,017	8.72	Oct. ...	2,726	8.75	Nov. ...	2,727	8.53	July...	3,014	8.80	July...	2,899	8.68	Nov....	3,061	8.71
6	July...	2,915	8.42	Nov. ...	2,726	8.75	July...	2,725	8.53	Nov. ...	2,921	8.53	Nov....	2,847	8.53	April..	2,937	8.35
7	Mar....	2,847	8.23	May...	2,586	8.30	May ...	2,722	8.52	May ...	2,870	8.38	Mar....	2,690	8.06	Mar....	2,836	8.07
8	May...	2,794	8.07	June...	2,558	8.21	April..	2,710	8.48	Mar....	2,744	8.01	May...	2,683	8.03	July...	2,835	8.06
9	April..	2,711	7.83	April..	2,464	7.91	June ..	2,530	7.91	June ..	2,739	8.00	June...	2,657	7.96	May ...	2,805	7.98
10	June..	2,599	7.51	Mar....	2,462	7.90	Mar....	2,415	7.56	April..	2,730	7.97	April..	2,655	7.95	June ..	2,797	7.95
11	Feb....	2,249	6.50	Feb....	1,954	6.27	Feb. ...	2,121	6.64	Feb....	2,352	6.87	Feb....	2,246	6.73	Feb....	2,414	6.87
12	Jan. ...	2,111	6.10	Jan. ...	1,899	6.10	Jan.....	2,089	6.53	Jan....	2,283	6.67	Jan. ...	2,212	6.62	Jan. ...	2,201	6.26
	Unk...	70	.20	Unk. ..	45	.14	Unk. ..	60	.19	Unk. ..	104	.30	Unk. ..	71	.21	Unk. ..	32	.09
	Av....a	2,884	8.33	Av.....	2,596	8.33	Av.....	2,663	8.33	Av.....	2,853	8.33	Av.....	2,783	8.33	Av.....	2,930	8.33

a Including unknown month.

EXHIBIT 2.—*Births during the Years 1875, 1876, 1877, and 1878, as Corrected for Omissions in the Enumeration, exhibiting the Number and Per Cent. of Total, by Months arranged in order by Number, Months having the greatest number first.*

Order.	1875.			1876.			1877.			1878.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	46,553	100.00	Total	45,172	100.00	Total	50,203	100.00	Total	52,145	100.00
1	Aug.	4,357	9.36	Aug.	4,007	8.87	Aug.	4,666	9.29	April	4,759	9.13
2	Apr.	4,292	9.22	July	3,960	8.77	Mar.	4,553	9.08	March	4,730	9.07
3	May	4,189	9.00	May	3,951	8.75	April	4,365	8.69	Aug.	4,710	9.03
4	Sept.	4,188	9.00	Mar.	3,950	8.74	July	4,335	8.63	Sept.	4,504	8.64
5	July	3,949	8.48	Sept.	3,891	8.61	May	4,278	8.52	May	4,411	8.46
6	Mar.	3,934	8.45	April	3,844	8.51	Sept.	4,257	8.48	Oct.	4,357	8.36
7	June	3,780	8.12	Dec.	3,708	8.21	June	4,105	8.18	June	4,265	8.18
8	Oct.	3,705	7.96	Oct.	3,707	8.21	Oct.	4,061	8.09	Dec.	4,240	8.13
9	Jan.	3,590	7.71	June	3,685	8.16	Jan.	3,965	7.90	July	4,188	8.03
10	Feb.	3,550	7.63	Nov.	3,475	7.69	Feb.	3,925	7.82	Feb.	4,131	7.92
11	Dec.	3,497	7.51	Feb.	3,460	7.66	Dec.	3,925	7.82	Nov.	3,937	7.55
12	Nov.	3,462	7.44	Jan.	3,430	7.59	Nov.	3,694	7.36	Jan.	3,881	7.44
	Unk.	60	.13	Unk.	104	.23	Unk.	71	.14	Unk.	32	.06
	Aver'ge [a]	3,879	8.33	Aver'ge [a]	3,764	8.33	Aver'ge [a]	4,184	8.33	Aver'ge [a]	4,345	8.33

[a] Including births in unknown month.

EXHIBIT A.—*Births in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of a Uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached. (Still-births and Children of unknown Sex included.)*

	Total.	Months, 1878.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births as returned by Registration Officers	[a] 35,130	2,201	2,414	2,836	2,937	2,805	2,797	2,835	3,295	3,260	3,266	3,061	3,423
Per cent. of births to be added for correction for time elapsing before enumeration	.....	76.33	71.56	66.79	62.02	57.25	52.48	47.71	42.94	38.17	33.40	28.63	23.86
Number of births to be added for above correction	16,983	1,680	1,717	1,894	1,822	1,606	1,468	1,353	1,415	1,244	1,091	876	817
Births, if enumerated in months of occurrence	52,113	3,881	4,131	4,730	4,759	4,411	4,265	4,188	4,710	4,504	4,357	3,937	4,240
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	1,191	163	159	166	150	124	105	88	83	64	46	28	15
Births, as corrected, equalized to population at close of year	53,304	4,044	4,290	4,896	4,909	4,535	4,370	4,276	4,793	4,568	4,403	3,965	4,255
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+71	—73	+374	—88	+72	—82	+64	—77	—87	+67	—80	+58	—77
Births, corrected and equalized, equalized to months of uniform length	53,375	3,971	4,664	4,808	4,981	4,453	4,434	4,199	4,706	4,635	4,323	4,023	4,178

[a] Excluding 33 in unknown month.

EXHIBIT B.—*Births of Males in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.[a]	Months, 1878.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males as returned by Registration officers	[a] 18,204	1,180	1,259	1,444	1,538	1,400	1,472	1,462	1,721	1,733	1,712	1,529	1,754
Per cent. of births to be added for correction for time elapsing before enumeration	.....	77.16	72.34	67.52	62.70	57.88	53.06	48.24	43.42	38.60	33.78	28.96	24.14
Number of births to be added for above correction	8,096	91	911	974	964	810	781	705	747	669	578	443	423
Births of males, if enumerated in months of occurrence	26,300	1,271	2,170	2,418	2,502	2,210	2,253	2,167	2,468	2,402	2,290	1,972	2,177
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	588	54	84	85	79	62	55	46	43	34	21	14	8
Births of males, as corrected, equalized to population at close of year	26,888	1,325	2,254	2,503	2,581	2,272	2,308	2,213	2,511	2,436	2,314	1,986	2,185
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+ 44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+57	—21	+ 196	—45	+ 38	—41	+ 34	—40	—45	+ 36	—42	+ 29	—39
Births of males, corrected and equalized, equalized to months of uniform length	26,945	1,301	2,450	2,458	2,619	2,231	2,342	2,173	2,466	2,472	2,272	2,015	2,146

[a] Excluding 20 births in unknown month.

EXHIBIT C.—*Births of Females in Michigan during the Year 1878, as Returned, as Corrected for Omissions in the Enumeration; the same Equalized for Increase of Population during the Year covered by the Returns, and the Births as thus Corrected and Equalized for the several Months, Equalized for Months of 30.44 Days each.*

	Total.	Months, 1878.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Females as returned by Registration Officers	[a] 16,860	1,012	1,150	1,390	1,391	1,400	1,323	1,370	1,570	1,522	1,546	1,527	1,659
Per cent. of Births to be added for correction for time elapsing before enumeration	.....	76.67	71.88	67.09	62.30	57.51	52.72	47.93	43.14	38.35	33.56	28.77	23.98
Number of births to be added for above correction	8,179	776	827	933	867	805	697	657	677	584	519	439	398
Births of Females, if enumerated in months of occurrence	25,039	1,788	1,977	2,323	2,258	2,205	2,020	2,027	2,247	2,106	2,065	1,966	2,057
Per cent. of births to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Births to be added to equalize them to population at close of year	572	75	76	82	71	62	50	43	40	30	22	14	7
Births of Females, as corrected, equalized to population at close of year	25,611	1,863	2,053	2,405	2,329	2,267	2,070	2,070	2,287	2,136	2,087	1,980	2,064
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	−.56	+2.44	−.56	+.44	−.56	+.44	−.56	−.56	+.44	−.56	+.44	−.56
Number of births added or subtracted to equalize them to months of uniform length	+32	−34	+179	−43	+34	−41	+30	−37	−41	+31	−38	+29	−37
Births of Females, corrected and equalized, equalized to months of uniform length	25,643	1,829	2,232	2,362	2,363	2,226	2,100	2,033	2,246	2,167	2,049	2,009	2,027

[a] Excluding 11 births in unknown month.

EXHIBIT D.—*Births of Males and of Females in Michigan during the Year 1878, Corrected for Omissions in the Enumeration, and, as thus Corrected, Equalized to Months of Uniform length; also, the total Births of both Sexes as thus Corrected and Equalized.* (*Births of Children of unknown Sex not included.*)

	Total.[a]	Months, 1878.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births of Males, if enumerated in months of occurrence	26,300	1,271	2,170	2,418	2,502	2,210	2,253	2,167	2,408	2,402	2,290	1,972	2,177
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+52	—23	+ 189	—44	+37	—40	+33	—39	—45	+35	—41	+29	—39
Births of Males, corrected and equalized to months of uniform length	26,352	1,248	2,359	2,374	2,539	2,170	2,286	2,128	2,423	2,437	2,249	2,001	2,138
Births of Females, if enumerated in months of occurrence	25,039	1,788	1,977	2,323	2,258	2,205	2,020	2,027	2,247	2,106	2,065	1,966	2,057
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+29	—32	+ 172	—42	+33	—40	+30	—37	—41	+31	—37	+29	—37
Births of Females, corrected and equalized to months of uniform length	25,068	1,756	2,149	2,281	2,291	2,165	2,050	1,900	2,206	2,137	2,028	1,995	2,020
Births of Males, corrected and equalized to months of uniform length	26,352	1,248	2,359	2,374	2,539	2,170	2,286	2,128	2,423	2,437	2,249	2,001	2,138
Births of Males and of Females, corrected and equalized to months of uniform length	51,420	3,004	4,508	4,655	4,830	4,335	4,336	4,118	4,629	4,574	4,277	3,996	4,158
Males to 100 Females, Births corrected and equalized to months of uniform length	105	71	110	104	111	100	112	107	110	114	111	100	106

[a] Excluding 20 births of males, and 11 births of females in unknown month.

EXHIBIT 3.—*Births in Michigan during the Year 1878, Corrected for Omissions in the Enumeration and Equalized for Months of a uniform length of 30.44 Days.* (*Still-births and Children of unknown Sex included.*)

	Total.	Months, 1878.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Births, if enumerated in months of occurrence	[a] 52,113	3,381	4,131	4,730	4,759	4,411	4,265	4,188	4,710	4,504	4,357	3,937	4,240
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	--------	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—56	+.44	—.56
Number of births added or subtracted to equalize them to months of uniform length	+65	—70	+360	—85	+70	—80	+63	—76	—85	+66	—79	+58	—77
Births, corrected and equalized to months of uniform length	52,178	3,311	4,491	4,645	4,829	4,331	4,328	4,112	4,625	4,570	4,278	3,995	4,163

[a] Excluding 32 births in unknown month.

The data in Table III. relates to the subject of the influence of the marriage-rate upon the conception-rate. In seven out of twelve months, more than the average number of conceptions appear for months in which more than the average number of marriages were solemnized, and *vice versa*. When the births are corrected for omissions in the enumeration, as in Exhibit E, the above proposition is true of only six out of the twelve months.

TABLE III.—*Exhibiting the Relation between the Births Returned as having occurred in Michigan during the Year 1878, and the Marriages solemnized in the Months of the Years 1877 and 1878, in which the Conceptions probably occurred. (Births and Marriages in unknown month excluded.)*

Births returned as having occurred in 1878, equalized to months of 30.44 days each, in order by number, greatest first.					Number of Marriages from April, 1877, to March, 1878, equalized to Months of 30.44 days each.[b]
Births.[a]			Conceptions.		
	Year and Months.	Number.	Months.	Year.	
Year		35,144			11,867
More than the Av. No. of Births.	December	3,361	March[c]	1878	972
	September	3,307	December	1877	1,235
	August	3,236	November	1877	1,207
	October	3,207	January	1878	1,036
	November	3,105	February[c]	1878	931
	April	2,960	July[c]	1877	908
Average		2,929			989
Less than the Av. No. of Births.	June	2,838	September[c]	1877	1,103
	March	2,785	June	1877	740
	July	2,784	October[c]	1877	1,201
	May	2,755	August	1877	753
	February	2,624	May	1877	834
	January	2,162	April	1877	947

[a] Excluding 32 births in unknown month.
[b] Corrected for additional returns, up to December 20, 1879.
[c] Exceptions to the proposition that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *vice versa*.

EXHIBIT E.—*The Relation between the Births in Michigan during the Year 1878, Corrected for Omissions in the Enumeration, and the Marriages solemnized in the Months of the Years 1877 and 1878, in which the Conceptions probably occurred.* (*Births and Marriages in unknown Month excluded.*)

	Births in 1878, Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of Uniform Length, in Order by Number, Greatest First.				No. of Marriages from April, 1877, to March, 1878, equalized to Months of 30.44 Days each.[b]
	Births.[a]		Conceptions.		
	Year and Months.	Number.	Months.	Year.	
	Year	52,178			11,867
More than an Av. No. of Births.	April	4,829	July[c]	1877	908
	March	4,645	June[c]	1877	740
	August	4,625	November	1877	1,207
	September	4,570	December	1877	1,235
	February	4,491	May[c]	1877	834
	Average	4,348			989
Less than an Av. No. of Births.	May	4,331	August	1877	753
	June	4,328	September[c]	1877	1,103
	October	4,278	January[c]	1878	1,036
	December	4,163	March	1878	972
	July	4,112	October[c]	1877	1,201
	November	3,995	February	1878	931
	January	3,811	April	1877	947

[a] Unknown month excluded.
[b] Corrected for additional returns, up to December 20, 1879.
[c] Exceptions to the proposition that *more* than the average number of conceptions appear for months in which *more* than the average number of marriages were solemnized, and *vice versa*.

TABLE IV.—*Exhibiting, by Counties and by Sex, the Number of Children Returned as having been born in Michigan during the Year, and in each Month of the Year Ending December 31, 1878. (Still-births included.)*

STATE AND COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
State[a]	Total	35,162	2201	2414	2836	2937	2805	2797	2835	3295	3260	3266	3061	3423	32
	Males	18,224	1180	1259	1444	1538	1400	1472	1462	1721	1733	1712	1529	1754	20
	Females	16,871	1012	1150	1390	1391	1400	1323	1370	1570	1522	1546	1527	1659	11
	Unknown	67	9	5	2	8	5	2	3	4	5	8	5	10	1
	Excess of Males	1,353	168	109	54	147	....	149	92	151	211	166	2	95	9
Alcona	Total	34	5	2	6	3	5	3	1	1	3	3	1	1	....
	Males	15	2	2	1	2	3	1	....	1	2	1	....	....	....
	Females	19	3	....	5	1	2	2	1	....	1	2	1	1	....
Allegan	Total	813	52	56	58	67	78	70	56	92	70	78	76	59	1
	Males	409	29	28	28	27	45	32	35	38	36	39	39	33	....
	Females	403	23	28	30	40	33	38	21	54	33	39	37	26	1
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	....
Alpena	Total	194	31	15	11	18	13	13	15	15	14	16	17	16	....
	Males	108	19	7	5	11	7	8	11	7	9	9	7	8	....
	Females	85	11	8	6	7	6	5	4	8	5	7	10	8	....
	Unknown	1	1	....	....	....	....	....	....	....	....	....	....	....	....
Antrim	Total	90	3	3	7	4	10	8	7	11	10	8	14	5	....
	Males	45	3	1	2	2	6	3	5	3	5	6	8	1	....
	Females	45	....	2	5	2	4	5	2	8	5	2	6	4	....
Baraga	Total	54	5	1	8	6	3	5	4	7	3	2	7	3	....
	Males	31	1	....	6	2	2	4	2	3	2	1	5	3	....
	Females	23	4	1	2	4	1	1	2	4	1	1	2	....	....
Barry	Total	482	29	27	37	37	50	39	40	44	48	48	43	39	1
	Males	253	17	16	14	16	26	24	26	21	19	25	27	21	1
	Females	229	12	11	23	21	24	15	14	23	29	23	16	18	....
Bay	Total	920	64	61	68	79	65	69	66	81	107	74	82	103	1
	Males	451	37	31	35	42	53	33	27	43	51	36	34	49	....
	Females	469	27	30	33	37	32	36	39	38	56	38	48	54	1
Benzie	Total	84	4	6	10	4	12	4	14	5	7	7	5	6	....
	Males	43	2	6	2	2	5	1	6	4	6	2	3	4	....
	Females	41	2	....	8	2	7	3	8	1	1	5	2	2	....
Berrien	Total	771	54	63	48	78	61	54	50	67	60	89	62	85	....
	Males	397	26	32	28	36	28	24	26	37	32	48	37	43	....
	Females	372	27	31	20	42	33	30	24	30	28	40	25	42	....
	Unknown	2	1	....	....	....	....	....	....	....	....	1	....	....	....

[a] Except of counties and townships not represented by returns of births in 1878.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Branch	Total	482	25	33	40	48	31	32	34	62	49	46	32	50	....
	Males	244	14	20	20	19	19	18	15	36	23	21	17	22	....
	Females	237	11	13	20	28	12	14	19	26	26	25	15	28	....
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	....
Calhoun	Total	594	27	45	34	41	42	47	46	62	67	63	63	56	1
	Males	299	16	21	14	20	19	25	23	34	37	31	29	30	....
	Females	293	11	24	20	21	23	22	23	28	30	31	33	26	1
	Unknown	2	....	....	....	....	....	....	....	....	....	1	1	....	....
Cass	Total	447	19	24	46	39	36	45	46	39	44	34	42	33	....
	Males	234	8	14	22	22	15	22	24	24	23	19	24	17	....
	Females	213	11	10	24	17	21	23	22	15	21	15	18	16	....
Charlevoix	Total	118	4	7	8	8	12	9	12	16	11	8	10	13	....
	Males	63	2	4	5	3	8	7	7	6	7	3	6	5	....
	Females	55	2	3	3	5	4	2	5	10	4	5	4	8	....
Cheboygan	Total	120	2	6	12	8	10	8	16	10	12	14	11	11	....
	Males	49	2	1	7	3	5	2	5	3	6	4	3	8	....
	Females	70	....	5	5	5	5	6	11	7	6	9	8	3	....
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	....
Chippewa[a]	Total	99	5	8	9	6	4	8	7	11	10	12	14	5	....
	Males	47	2	4	3	3	....	2	2	7	7	6	9	2	....
	Females	52	3	4	6	3	4	6	5	4	3	6	5	3	....
Clare	Total	80	6	2	8	7	9	11	8	6	4	6	4	9	....
	Males	36	2	2	5	5	1	4	7	4	1	3	1	1	....
	Females	44	4	....	3	2	8	7	1	2	3	3	3	8	....
Clinton	Total	615	35	30	48	43	49	64	60	60	58	64	42	62	....
	Males	315	18	9	23	24	27	36	25	29	31	34	26	33	....
	Females	300	17	21	25	19	22	28	35	31	27	30	16	29	....
Crawford	Total	13	2	2	....	....	....	....	....	1	1	2	3	2	....
	Males	6	2	1	....	....	....	....	....	....	1	1	....	1	....
	Females	7	....	1	....	....	....	....	....	1	....	1	3	1	....
Delta	Total	161	18	12	8	14	20	15	13	9	13	16	13	10	....
	Males	82	10	6	4	8	8	10	7	4	7	8	7	3	....
	Females	79	8	6	4	6	12	5	6	5	6	8	6	7	....
Eaton	Total	605	35	33	47	59	33	43	59	67	60	53	62	52	2
	Males	295	14	12	23	29	18	23	22	26	37	32	24	23	2
	Females	309	21	21	24	30	15	20	27	41	23	20	38	29	....
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	....

[a] No returns from townships of Detour and Sugar Island.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Emmet	Total	104	8	1	7	10	9	10	8	12	13	10	10	6	----
	Males	50	4	1	1	6	4	4	6	6	5	3	6	4	----
	Females	53	4	----	6	4	4	6	2	6	8	7	4	2	----
	Unknown	1	----	----	----	----	1	----	----	----	----	----	----	----	----
Genesee	Total	768	47	44	50	60	64	64	61	85	70	81	69	71	2
	Males	377	20	21	27	32	36	33	25	41	36	38	29	38	1
	Females	391	27	23	23	28	28	31	36	44	34	43	40	33	1
Gladwin	Total	18	----	----	----	1	3	2	3	2	2	----	1	4	----
	Males	10	----	----	----	1	1	1	3	1	----	----	----	3	----
	Females	8	----	----	----	----	2	1	----	1	2	----	1	1	----
Grand Traverse	Total	148	14	5	15	14	11	9	9	18	10	16	18	9	----
	Males	84	7	4	8	9	7	6	4	12	8	7	8	4	----
	Females	64	7	1	7	5	4	3	5	6	2	9	10	5	----
Gratiot	Total	416	20	29	41	40	31	41	36	41	30	40	31	36	----
	Males	223	10	19	22	20	18	18	20	20	14	14	21	27	----
	Females	193	10	10	19	20	13	23	16	21	16	26	10	9	----
Hillsdale	Total	510	36	30	45	50	34	46	41	50	47	48	39	43	1
	Males	264	20	16	22	24	13	25	19	33	27	25	21	18	1
	Females	246	16	14	23	26	21	21	22	17	20	23	18	25	----
Houghton	Total	914	51	63	94	69	72	86	66	82	80	84	72	88	----
	Males	469	34	33	45	31	26	50	31	48	47	44	31	49	----
	Females	442	17	30	49	37	46	36	35	41	33	40	40	38	----
	Unknown	3	----	----	----	1	----	----	----	----	----	----	1	1	----
Huron	Total	570	20	37	46	53	45	38	38	69	58	59	53	53	1
	Males	298	8	24	25	28	23	18	19	29	32	32	29	30	1
	Females	272	12	13	21	25	22	20	19	40	26	27	24	23	----
Ingham	Total	593	26	41	41	46	49	43	51	60	48	67	59	62	----
	Males	312	16	19	20	28	29	25	21	36	29	28	27	34	----
	Females	280	10	22	21	18	20	18	30	24	19	39	31	28	----
	Unknown	1	----	----	----	----	----	----	----	----	----	----	1	----	----
Ionia	Total	621	37	39	44	59	44	50	63	51	57	69	54	54	----
	Males	316	22	20	22	27	24	25	27	30	26	38	24	31	----
	Females	304	15	19	22	31	20	25	36	21	31	31	30	23	----
	Unknown	1	----	----	----	1	----	----	----	----	----	----	----	----	----
Iosco	Total	68	6	3	11	5	8	5	6	7	4	6	1	5	1
	Males	39	2	1	5	2	6	4	4	5	2	3	1	3	1
	Females	29	4	2	6	3	2	1	2	2	2	3	----	2	----

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Isabella[a]	Total	229	16	8	12	30	25	21	21	19	22	14	13	25	3
	Males	116	9	3	6	15	10	11	16	8	11	8	4	12	3
	Females	113	7	5	6	15	15	10	5	11	11	6	9	13	....
Isle Royal[b]		....	....	....	....	....	....	....	....	....	....	....	....	....	....
Jackson	Total	779	32	39	54	48	74	65	78	79	73	87	78	72	....
	Males	411	14	24	25	24	33	29	45	40	41	48	46	42	....
	Females	368	18	15	29	24	41	36	33	39	32	39	32	30	....
Kalamazoo	Total	593	31	51	44	44	44	45	53	60	51	59	56	55	....
	Males	325	21	26	20	30	22	29	21	40	30	35	24	27	....
	Females	267	10	25	24	14	22	16	32	20	21	24	32	27	....
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	....
Kalkaska	Total	66	4	3	4	8	5	2	3	9	10	10	3	5	....
	Males	29	4	....	2	4	1	....	3	1	4	6	2	2	....
	Females	37	....	3	2	4	4	2	....	8	6	4	1	3	....
Kent	Total	1,631	126	109	127	126	114	110	119	169	144	143	157	186	1
	Males	829	54	56	68	60	50	49	62	84	76	85	81	104	....
	Females	798	72	51	59	66	64	61	56	85	68	58	76	81	1
	Unknown	4	....	2	....	....	....	....	1	....	....	....	....	1	....
Keweenaw	Total	269	22	25	28	25	23	33	21	18	18	21	19	16	....
	Males	141	12	11	19	10	11	21	11	8	11	7	13	7	....
	Females	126	10	14	9	15	11	11	10	10	7	14	6	9	....
	Unknown	2	....	....	....	....	1	1	....	....	....	....	....	....	....
Lake	Total	69	2	3	9	6	8	7	8	6	7	6	3	4	....
	Males	33	1	2	4	4	3	4	5	3	2	3	1	1	....
	Females	36	1	1	5	2	5	3	3	3	5	3	2	3	....
Lapeer	Total	540	30	33	48	38	50	45	40	44	57	58	44	52	1
	Males	279	18	16	24	15	23	21	19	23	38	32	22	27	1
	Females	260	12	17	23	23	27	24	21	21	19	26	22	25	....
	Unknown	1	....	....	1	....	....	....	....	....	....	....	....	....	....
Leelanaw	Total	162	12	15	17	16	14	12	12	16	9	12	13	14	....
	Males	90	5	6	11	10	8	8	6	12	3	7	6	8	....
	Females	72	7	9	6	6	6	4	6	4	6	5	7	6	....

[a] No returns from township of Rolland.
[b] No returns for 1878 from the county clerk to the State department.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Lenawee	Total	752	51	60	53	70	60	65	61	84	61	70	54	61	2
	Males	404	28	33	27	35	38	33	36	56	27	36	25	28	2
	Females	344	22	26	26	35	21	32	25	27	34	34	29	33	....
	Unknown	4	1	1	....	....	1	....	....	1	....	....	....	....	....
Livingston	Total	449	30	25	33	36	40	46	32	44	35	47	36	45	....
	Males	213	16	10	16	18	20	22	18	25	16	20	16	16	....
	Females	236	14	15	17	18	20	24	14	19	19	27	20	29	....
Mackinac[a]	Total	37	....	2	1	1	3	6	2	7	....	3	6	5	1
	Males	19	....	1	1	....	2	4	2	2	....	2	3	2	....
	Females	18	....	1	....	1	1	2	....	5	....	1	3	3	1
Macomb	Total	693	36	40	61	62	50	55	59	72	61	66	61	70	....
	Males	379	16	17	27	37	24	35	43	42	27	40	34	37	....
	Females	313	20	23	34	25	26	20	16	29	34	26	27	33	....
	Unknown	1	....	....	....	....	....	....	....	1	....	....	....	....	....
Manistee	Total	355	18	28	33	35	38	30	30	22	37	33	18	32	1
	Males	190	7	11	14	20	20	20	16	12	18	22	12	17	1
	Females	165	11	17	19	15	18	10	14	10	19	11	6	15	....
Manitou	Total	30	1	1	3	2	1	4	7	4	2	3	2	....	....
	Males	16	1	1	1	....	1	3	4	2	....	2	1	....	....
	Females	14	....	....	2	2	....	1	3	2	2	1	1	....	....
Marquette	Total	721	41	61	62	55	64	56	49	59	76	47	64	87	....
	Males	379	24	32	31	32	29	32	25	33	41	25	29	46	....
	Females	342	17	29	31	23	35	24	24	26	35	22	35	41	....
Mason	Total	183	7	16	16	25	21	18	16	9	13	12	12	18	....
	Males	94	2	8	5	17	8	8	8	5	7	3	10	13	....
	Females	89	5	8	11	8	13	10	8	4	6	9	2	5	....
Mecosta	Total	265	22	13	24	23	25	28	20	22	21	29	22	15	1
	Males	126	14	8	14	8	11	10	11	13	8	14	7	7	1
	Females	137	8	5	10	15	13	18	9	9	13	15	14	8	....
	Unknown	2	....	....	....	....	1	....	....	....	....	....	1	....	....
Menominee[b]	Total	45	4	4	2	6	2	6	2	2	5	2	5	5	....
	Males	23	2	1	....	5	....	4	1	1	3	2	2	2	....
	Females	22	2	3	2	1	2	2	1	1	2	....	3	3	....
Midland	Total	169	8	15	18	10	19	18	15	18	14	11	13	10	....
	Males	83	4	10	9	7	10	10	3	8	7	5	6	4	....
	Females	86	4	5	9	3	9	8	12	10	7	6	7	6	....

[a] No returns from townships of Hendricks, Holmes, Newton, and St. Ignace.
[b] No returns from townships of Cedarville, Breitung, and Spaulding.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Missaukee	Total	38	2	3	5	4	4	3	3	4	2	3	3	1	1
	Males	17	1	1	3	1	1	3	1	2	1	1	2	----	----
	Females	21	1	2	2	3	3	----	2	2	1	2	1	1	1
Monroe	Total	859	63	44	78	78	54	55	68	91	102	72	65	89	----
	Males	445	38	20	34	50	31	19	33	52	62	36	26	44	----
	Females	412	25	24	44	27	23	35	35	39	40	36	39	45	----
	Unknown	2	----	----	----	1	----	1	----	----	----	----	----	----	----
Montcalm	Total	605	33	34	42	50	60	50	46	64	75	45	48	58	----
	Males	333	18	19	23	29	33	29	25	36	44	28	19	30	----
	Females	271	15	15	19	21	27	21	21	27	31	17	29	28	----
	Unknown	1	----	----	----	----	----	----	----	1	----	----	----	----	----
Muskegon *	Total	533	34	41	42	46	44	40	47	34	53	44	45	59	4
	Males	299	21	27	19	28	25	27	23	15	26	27	23	36	2
	Females	234	13	14	23	18	19	13	24	19	27	17	22	23	2
Newaygo	Total	243	14	13	20	27	16	25	21	12	22	20	23	29	1
	Males	135	7	8	15	17	5	13	8	7	13	13	8	21	----
	Females	105	7	4	5	10	11	12	12	5	9	7	15	8	----
	Unknown	3	----	1	----	----	----	----	1	----	----	----	----	----	1
Oakland	Total	641	44	32	51	58	48	44	50	57	60	69	57	68	3
	Males	321	28	16	22	25	25	17	21	30	38	39	26	32	2
	Females	316	15	16	29	31	23	27	29	27	22	29	31	36	1
	Unknown	4	1	----	----	2	----	----	----	----	----	1	----	----	----
Oceana	Total	275	11	16	14	19	28	24	26	25	24	20	32	36	----
	Males	134	5	10	4	11	16	10	13	9	11	11	13	21	----
	Females	141	6	6	10	8	12	14	13	16	13	9	19	15	----
Ogemaw	Total	5	3	1	----	1	----	----	----	----	----	----	----	----	----
	Males	3	1	1	----	1	----	----	----	----	----	----	----	----	----
	Females	2	2	----	----	----	----	----	----	----	----	----	----	----	----
Ontonagon	Total	69	5	8	2	9	7	3	4	10	4	3	7	7	----
	Males	34	2	2	1	6	4	2	----	6	3	2	2	4	----
	Females	35	3	6	1	3	3	1	4	4	1	1	5	3	----
Osceola	Total	257	15	20	17	22	16	22	29	29	25	20	21	21	----
	Males	145	7	13	10	15	7	11	16	17	14	9	12	14	----
	Females	111	8	7	7	7	9	11	13	12	10	11	9	7	----
	Unknown	1	----	----	----	----	----	----	----	----	1	----	----	----	----

* No returns from township of Montague.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Otsego	Total	23	5	----	1	4	2	2	2	3	2	1	----	1	----
	Males	14	3	----	1	3	2	2	----	----	2	----	----	1	----
	Females	9	2	----	----	1	----	----	2	3	----	1	----	----	----
Ottawa	Total	859	53	71	68	79	74	69	72	82	65	75	63	87	1
	Males	423	32	28	36	37	29	38	39	36	31	44	29	43	1
	Females	434	21	43	32	41	45	31	32	46	34	31	34	44	----
	Unknown	2	----	----	----	1	----	----	1	----	----	----	----	----	----
Presque Isle	Total	92	6	5	9	9	4	8	7	9	5	13	7	10	----
	Males	45	5	2	3	5	2	4	4	5	3	2	3	7	----
	Females	47	1	3	6	4	2	4	3	4	2	11	4	3	----
Roscommon	Total	5	----	----	----	----	1	1	1	1	----	----	1	----	----
	Males	4	----	----	----	----	1	1	1	----	----	----	1	----	----
	Females	1	----	----	----	----	----	----	----	1	----	----	----	----	----
Saginaw	Total	1,391	85	98	121	113	115	116	112	129	115	132	117	138	----
	Males	715	52	47	69	57	64	56	52	76	61	68	46	67	----
	Females	676	33	51	52	56	51	60	60	53	54	64	71	71	----
Sanilac	Total	623	24	36	53	57	52	54	53	47	68	78	42	59	----
	Males	339	13	22	33	32	25	37	28	20	34	38	23	34	----
	Females	283	11	14	20	25	27	17	25	27	34	39	19	25	----
	Unknown	1	----	----	----	----	----	----	----	----	----	1	----	----	----
Schoolcraft[a]	Total	14	1	----	2	1	2	1	2	3	1	----	1	----	----
	Males	6	----	----	----	1	1	1	----	1	1	----	1	----	----
	Females	8	1	----	2	----	1	----	2	2	----	----	----	----	----
Shiawassee[b]	Total	510	29	35	39	39	41	44	42	49	50	42	40	60	----
	Males	256	18	18	20	19	21	24	22	23	24	22	20	25	----
	Females	254	11	17	19	20	20	20	20	26	26	20	20	35	----
St. Clair	Total	977	46	85	80	84	70	59	68	95	102	97	90	100	1
	Males	522	24	49	46	52	32	27	30	46	56	51	53	56	----
	Females	455	22	36	34	32	38	32	38	49	46	46	37	44	1
St. Joseph	Total	489	27	31	36	34	41	37	32	52	47	50	47	55	----
	Males	246	13	19	18	18	21	22	17	24	24	20	26	24	----
	Females	243	14	12	18	16	20	15	15	28	23	30	21	31	----
Tuscola	Total	515	23	31	40	52	43	56	49	48	33	48	44	48	----
	Males	262	14	18	20	30	22	30	24	22	21	21	20	20	----
	Females	253	9	13	20	22	21	26	25	26	12	27	24	28	----

[a] No returns from township of Munising.
[b] No returns from township of Burns.

TABLE IV.—CONTINUED.—*Births by Counties, by Months, and by Sex.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.
Van Buren	Total	616	34	42	49	46	54	44	53	50	58	61	59	66	----
	Males	317	11	19	32	26	22	21	26	27	31	33	40	29	----
	Females	298	23	23	17	20	32	23	27	23	27	27	19	37	----
	Unknown	1	----	----	----	--	--	--	----	----	----	1	----	----	----
Washtenaw	Total	589	33	31	44	39	50	56	38	59	63	48	50	78	----
	Males	306	18	13	21	21	25	31	21	34	29	31	27	35	----
	Females	281	15	18	23	18	25	25	17	24	34	17	23	42	----
	Unknown	2	----	----	----	--	--	--	----	1	----	----	-	1	----
Wayne	Total	5,192	413	443	458	405	362	360	411	411	485	446	498	500	----
	Males	2,765	219	251	242	207	190	203	231	212	261	243	254	252	----
	Females	2,410	191	191	215	197	171	157	180	199	221	203	243	242	----
	Unknown	17	3	1	1	1	1	--	----	----	3	----	1	6	----
Wexford	Total	199	15	15	9	19	24	11	15	18	13	23	12	25	----
	Males	95	9	5	4	12	10	3	8	12	5	10	8	9	----
	Females	101	4	10	5	7	14	8	7	6	8	12	4	16	----
	Unknown	3	2	----	----	--	---	--	----	----	----	1	---	---	----

TABLE V.—*Exhibiting, by Color and by Sex, the Number of Children returned as having been born in Michigan during the Year 1878, and the Per Cent. of Children of each Sex to the Total Number of both Sexes. (Still-births included.)*

COLOR OR RACE.	SEX.	Children Born in 1878.	Per Cent. of births of each Color to total of all Colors, by Sex.	Per Cent. of each Sex to Children of both Sexes.
All Colors	Total	35,162	100.00	.....
	Males	18,224	100.00	51.93
	Females	16,871	100.00	48.07
	Unknown	67	100.00	.....
White	Total	34,716	98.73	.....
	Males	18,021	98.89	51.99
	Females	16,643	98.65	48.01
	Unknown	52	77.61	.....
Black	Total	125	.36	.....
	Males	58	.32	46.40
	Females	67	.40	53.60
Mulatto	Total	81	.23	.....
	Males	36	.20	44.44
	Females	45	.27	55.56
Indian	Total	160	.46	.....
	Males	78	.43	49.06
	Females	81	.48	50.94
	Unknown	1	1.49	.....
Unknown color	Total	80	.23	.....
	Males	31	.17	46.97
	Females	35	.21	53.03
	Unknown	14	20.90	.....
Black and Mulatto	Total	206	.59	.....
	Males	94	.52	45.63
	Females	112	.66	54.37

Table VI. shows, by color and by sex, the number of inhabitants of Michigan in 1874 represented by returns of births for 1878, and the number of children born in 1878; also the males to 100 females born in 1878, and by sex, the birth-rate in 1878 based upon the births returned for 1878 and the population in 1874. There are three counties for which no statement of the birth-rate is made; and of the remaining 74 counties, in 18 counties there was a greater than average birth-rate, and more than average proportion of males; in 26 counties there was a greater than average birth-rate, and less than average proportion of males; in 18 counties there was a less than average birth-rate, and less than average proportion of males; and in 12 counties there was a less than average birth-rate, and more than average proportion of males.

TABLE VI.—*Exhibiting for the State and Counties of Michigan, by Sex, the Number of Inhabitants in 1874, the Per Cent. of Births Returned for 1878 to Population in 1874, the Number of Males to 100 Females born during the Year 1878, and by Sex and by Color the Number of Children returned as having been born during the Year ending December 31, 1878. (Still-births included.)*

STATE AND COUNTIES.	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
State [a]	108	Total	.....	1,328,485	2.63	35,162	34,716	125	81	160	80
		Males	51.93	694,148	2.63	18,224	18,021	[b] 58	36	[c] 78	31
		Females	48.07	634,337	2.66	16,871	16,643	[d] 67	45	[e] 81	35
		Unknown	.....	.....	.....	67	52	.....	.....	1	14
Alcona [f]	79	Total	.....	1,214	2.80	34	34	.....	.....	.....	.....
		Males	44.12	688	2.18	15	15	.....	.....	.....	.....
		Females	55.88	526	3.61	19	19	.....	.....	.....	.....
Allegan	101	Total	.....	32,381	2.51	813	797	2	11	3	.....
		Males	50.37	16,976	2.41	409	402	1	5	1	.....
		Females	49.63	15,405	2.62	403	394	1	6	2	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Alpena	127	Total	.....	4,807	4.04	194	194	.....	.....	.....	.....
		Males	55.96	2,808	3.85	108	108	.....	.....	.....	.....
		Females	44.04	1,999	4.25	85	85	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Antrim	100	Total	.....	3,002	3.00	90	86	.....	.....	3	1
		Males	50.00	1,654	2.72	45	42	.....	.....	2	1
		Females	50.00	1,348	3.34	45	44	.....	.....	1	.....
Baraga [g]	135	Total	.....	.....	.....	54	41	.....	.....	13	.....
		Males	57.41	[g]	.....	31	23	.....	.....	[h] 8	.....
		Females	42.59	.....	.....	23	18	.....	.....	[i] 5	.....
Barry	110	Total	.....	22,051	2.19	482	482	.....	.....	.....	.....
		Males	52.49	11,588	2.18	253	253	.....	.....	.....	.....
		Females	47.51	10,463	2.19	229	229	.....	.....	.....	.....
Bay	96	Total	.....	24,832	3.70	920	914	.....	1	5	.....
		Males	49.02	13,657	3.30	451	449	.....	.....	2	.....
		Females	50.98	11,175	4.19	469	465	.....	1	3	.....

[a] For counties and townships from which no returns of births were received, see Table XXI.
[b] Includes 6 "Colored."
[c] Includes 6 "White and Indian," 4 "Half-Indian," and 9 "Half-breed."
[d] Includes 7 "Colored."
[e] Includes 9 "White and Indian," 3 "Half-Indian," 14 "Half-breed," and 1 "Red."
[f] Includes population of Oscoda county.
[g] Population of Baraga county is included in statement of population of Houghton county, and cannot be ascertained.
[h] Includes 4 "Half-Indian." [i] Includes 3 "Half-Indian."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874, Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Benzie	105	Total	.....	2,663	3.15	84	82	.....	2	.....	.....
		Males	51.19	1,422	3.02	43	41	.....	2	.....	.....
		Females	48.81	1,241	3.30	41	41	.....	.....	.....	.....
Berrien	107	Total	.....	35,029	2.20	771	760	6	4	.....	1
		Males	51.63	17,942	2.21	397	394	[b] 2	1	.....	.....
		Females	48.37	17,087	2.18	372	365	[b] 4	3	.....	.....
		Unknown	.....	.....	.....	2	1	.....	.....	.....	1
Branch	103	Total	.....	25,726	1.87	482	475	.....	.....	.....	7
		Males	50.73	13,041	1.87	244	241	.....	.....	.....	3
		Females	49.27	12,685	1.87	237	233	.....	.....	.....	4
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Calhoun	102	Total	.....	35,655	1.67	594	583	2	2	2	5
		Males	50.51	18,156	1.65	299	294	1	1	.....	3
		Females	49.49	17,499	1.67	293	287	1	1	2	2
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Cass	110	Total	.....	20,525	2.18	447	419	4	22	.....	2
		Males	52.35	10,592	2.21	234	225	[b] 3	5	.....	1
		Females	47.65	9,933	2.14	213	194	1	17	.....	1
Charlevoix	115	Total	.....	2,360	5.00	118	113	.....	.....	5	.....
		Males	53.39	1,280	4.92	63	59	.....	.....	4	.....
		Females	46.61	1,080	5.09	55	54	.....	.....	1	.....
Cheboygan	70	Total	.....	3,070	3.91	120	116	.....	1	3	.....
		Males	41.18	1,706	2.87	49	46	.....	1	2	.....
		Females	58.82	1,364	5.13	70	69	.....	.....	1	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Chippewa[a]	90	Total	.....	1,617	6.12	99	75	.....	.....	24	.....
		Males	47.47	918	5.12	47	36	.....	.....	[c] 11	.....
		Females	52.53	699	7.44	52	39	.....	.....	[d] 13	.....
Clare	82	Total	.....	1,354	5.91	80	80	.....	.....	.....	.....
		Males	45.00	745	4.83	36	36	.....	.....	.....	.....
		Females	55.00	609	7.22	44	44	.....	.....	.....	.....
Clinton	105	Total	.....	23,661	2.60	615	614	1	.....	.....	.....
		Males	51.22	12,162	2.59	315	315	.....	.....	.....	.....
		Females	48.78	11,499	2.61	300	299	1	.....	.....	.....

[a] For counties and townships from which no returns of births were received, see Table XXI.
[b] Includes 1 "Colored."
[c] Includes 9 "Half-breed."
[d] Includes 12 "Half-breed."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Crawford..[b]	86	Total.....	.....	.....	.....	13	13	.....	.....	.....	.....
		Males....	46.15	.....	.....	6	6	.....	.....	.....	.....
		Females..	53.85	.....	.....	7	7	.....	.....	.....	.....
Delta.....	104	Total.....	.....	4,741	3.40	161	156	.....	.....	3	.....
		Males....	50.93	2,882	2.85	82	81	.....	.....	1	.....
		Females.	49.07	1,859	4.25	79	77	.....	.....	[c] 2	.....
Eaton.....	95	Total.....	.....	26,907	2.25	605	604	1	.....	.....	.....
		Males....	48.84	13,875	2.13	295	294	[d] 1	.....	.....	.....
		Females.	51.16	13,032	2.37	309	309	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Emmet.....	94	Total.....	.....	1,272	8.18	104	66	.....	.....	38	.....
		Males....	48.54	669	7.47	50	31	.....	.....	19	.....
		Females.	51.46	603	8.79	53	35	.....	.....	18	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	1	.....
Genesee.....	96	Total.....	.....	34,568	2.22	768	765	2	1	.....	.....
		Males....	49.09	17,536	2.15	377	376	1	.....	.....	.....
		Females.	50.91	17,032	2.30	391	389	1	1	.....	.....
Gladwin....	125	Total.....	.....	265	6.79	18	18	.....	.....	.....	.....
		Males....	55.56	145	6.90	10	10	.....	.....	.....	.....
		Females.	44.44	120	6.67	8	8	.....	.....	.....	.....
Gr. Traverse	131	Total.....	.....	5,349	2.77	148	148	.....	.....	.....	.....
		Males....	56.76	2,801	3.00	84	84	.....	.....	.....	.....
		Females.	43.24	2,548	2.51	64	64	.....	.....	.....	.....
Gratiot.....	116	Total.....	.....	13,836	3.00	416	416	.....	.....	.....	.....
		Males....	53.61	7,304	3.05	223	223	.....	.....	.....	.....
		Females.	46.39	6,532	2.93	193	193	.....	.....	.....	.....
Hillsdale....	107	Total.....	.....	31,566	1.62	510	510	.....	.....	.....	.....
		Males....	51.76	15,971	1.65	264	264	.....	.....	.....	.....
		Females.	48.24	15,595	1.58	246	246	.....	.....	.....	.....
Houghton..[e]	106	Total.....	.....	19,030	4.80	914	914	.....	.....	.....	.....
		Males....	51.48	11,013	4.26	469	469	.....	.....	.....	.....
		Females.	48.52	8,017	5.51	442	442	.....	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] Organized since census was taken.
[c] Includes 2 "Half-breed."
[d] Includes 1 "Colored."
[e] Population of Baraga county is included in statement of population of Houghton county, and cannot be ascertained.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Huron	110	Total	.....	11,964	4.76	570	570	.....	.....	.....	.....
		Males	52.28	6,614	4.51	298	298	.....	.....	.....	.....
		Females	47.72	5,350	5.08	272	272	.....	.....	.....	.....
Ingham	111	Total	.....	29,193	2.03	593	579	3	.....	.....	11
		Males	52.70	15,204	2.05	312	306	1	.....	.....	5
		Females	47.30	13,989	2.00	280	272	[b] 2	.....	.....	6
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Ionia	104	Total	.....	28,376	2.19	621	621	.....	.....	.....	.....
		Males	50.97	14,788	2.14	316	316	.....	.....	.....	.....
		Females	49.03	13,588	2.24	304	304	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Iosco	134	Total	.....	4,575	1.49	68	68	.....	.....	.....	.....
		Males	57.35	2,706	1.44	39	39	.....	.....	.....	.....
		Females	42.65	1,869	1.55	29	29	.....	.....	.....	.....
Isabella[a]	103	Total	.....	5,766	3.97	229	217	.....	1	11	.....
		Males	50.66	3,120	3.72	116	109	.....	1	6	.....
		Females	49.34	2,646	4.27	113	108	.....	.....	5	.....
Isle Royal[c]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	112	Total	52.76	37,988	2.05	779	774	4	.....	.....	1
		Males	47.24	19,853	2.07	411	409	2	.....	.....	.....
		Females	.....	18,135	2.03	368	365	2	.....	.....	1
Kalamazoo	122	Total	.....	32,284	1.84	593	582	7	2	.....	2
		Males	54.90	16,583	1.96	325	319	[b] 4	2	.....	.....
		Females	45.10	15,701	1.70	267	263	3	.....	.....	1
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Kalkaska	78	Total	.....	1,259	5.24	66	66	.....	.....	.....	.....
		Males	43.94	692	4.19	29	29	.....	.....	.....	.....
		Females	56.06	567	6.53	37	37	.....	.....	.....	.....
Kent	104	Total	.....	62,671	2.60	1,631	1,612	15	1	.....	3
		Males	50.95	32,576	2.54	829	822	6	1	.....	.....
		Females	49.05	30,095	2.65	798	789	9	.....	.....	.....
		Unknown	.....	.....	.....	4	1	.....	.....	.....	3

[a] For townships from which no returns of births were received, see Table XXI.
[b] Includes 1 "Colored."
[c] No returns from county clerk.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Keweenaw	112	Total	.....	5,411	4.97	269	269	.....	.....	.....	.....
		Males	52.81	3,233	4.36	141	141	.....	.....	.....	.....
		Females	47.19	2,178	5.79	126	126	.....	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Lake	92	Total	.....	1,813	3.81	69	68	.....	.....	1	.....
		Males	47.83	1,015	3.25	33	32	.....	.....	1	.....
		Females	52.17	798	4.51	36	36	.....	.....	.....	.....
Lapeer	107	Total	.....	25,140	2.15	540	537	.....	3	.....	.....
		Males	51.76	13,095	2.13	279	278	.....	1	.....	.....
		Females	48.24	12,045	2.16	260	258	.....	2	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Leelanaw	125	Total	.....	5,031	3.22	162	156	.....	.....	6	.....
		Males	55.56	2,692	3.34	90	88	.....	.....	2	.....
		Females	44.44	2,339	3.08	72	68	.....	.....	4	.....
Lenawee	117	Total	.....	46,084	1.63	752	745	5	1	.....	1
		Males	54.01	23,256	1.74	404	399	4	1	.....	.....
		Females	45.99	22,828	1.51	344	343	1	.....	.....	.....
		Unknown	.....	.....	.....	4	3	.....	.....	.....	1
Livingston	90	Total	.....	20,329	2.21	449	449	.....	.....	.....	.....
		Males	47.44	10,569	2.02	213	213	.....	.....	.....	.....
		Females	52.56	9,760	2.42	236	236	.....	.....	.....	.....
Mackinac[a]	106	Total	.....	372	9.95	37	22	.....	.....	15	.....
		Males	51.35	193	9.84	19	13	.....	.....	[b] 6	.....
		Females	48.65	179	10.06	18	9	.....	.....	[c] 9	.....
Macomb	121	Total	.....	28,305	2.45	693	690	1	2	.....	.....
		Males	54.77	14,367	2.64	379	378	.....	1	.....	.....
		Females	45.23	13,938	2.25	313	311	1	1	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Manistee	115	Total	.....	8,471	4.19	355	355	.....	.....	.....	.....
		Males	53.52	4,792	3.96	190	190	.....	.....	.....	.....
		Females	46.48	3,679	4.48	165	165	.....	.....	.....	.....
Manitou	114	Total	.....	657	4.57	30	30	.....	.....	.....	.....
		Males	53.33	364	4.40	16	16	.....	.....	.....	.....
		Females	46.67	293	4.78	14	14	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.
[b] Includes 6 "White and Indian."
[c] Includes 9 "White and Indian."

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	Sex.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	Color,—Children Born in 1878.					
						Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Marquette..	111	Total.....	.....	21,946	3.29	721	721	.....	.....	.....	.....
		Males....	52.57	12,893	2.94	379	379	.....	.....	.....	.....
		Females.	47.43	9,053	3.78	342	342	.....	.....	.....	.....
Mason.....	106	Total.....	.....	5,361	3.41	183	180	.....	.....	3	.....
		Males....	51.37	2,971	3.16	94	92	.....	.....	2	.....
		Females.	48.63	2,390	3.72	89	88	.....	.....	1	.....
Mecosta	92	Total.....	.....	9,132	2.90	265	257	.....	5	3	.....
		Males....	47.91	4,874	2.59	126	122	.....	3	1	.....
		Females.	52.09	4,258	3.22	137	133	.....	2	2	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Menominee[a]	105	Total.....	.....	3,248	1.39	45	42	.....	.....	2	1
		Males....	51.11	2,054	1.12	23	20	.....	.....	2	1
		Females.	48.89	1,194	1.84	22	22	.....	.....	.....	.....
Midland.....	97	Total.....	.....	4,765	3.55	169	169	.....	.....	.....	.....
		Males....	49.11	2,593	3.20	83	83	.....	.....	.....	.....
		Females.	50.89	2,172	3.96	86	86	.....	.....	.....	.....
Missaukee..	81	Total.....	.....	606	6.27	38	38	.....	.....	.....	.....
		Males....	44.74	395	4.30	17	17	.....	.....	.....	.....
		Females..	55.26	211	9.95	21	21	.....	.....	.....	.....
Monroe.	108	Total.....	.....	30,111	2.85	859	857	1	.....	.....	1
		Males....	51.93	15,302	2.91	445	445	.....	.....	.....	.....
		Females..	48.07	14,809	2.78	412	411	1	.....	.....	.....
		Unknown	.....	.....	.....	2	1	.....	.....	.....	1
Montcalm...	123	Total.....	.....	20,815	2.91	605	602	.....	.....	.....	3
		Males....	55.13	11,311	2.94	333	333	.....	.....	.....	.....
		Females..	44.87	9,504	2.85	271	269	.....	.....	.....	2
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Muskegon .[a]	128	Total.....	.....	18,015	2.96	533	533	.....	.....	.....	.....
		Males....	56.10	10,015	2.99	299	299	.....	.....	.....	.....
		Females..	43.90	8,000	2.93	234	234	.....	.....	.....	.....
Newaygo ...	129	Total.....	.....	8,758	2.77	243	242	1	.....	.....	.....
		Males....	56.25	4,879	2.77	135	135	.....	.....	.....	.....
		Females..	43.75	3,879	2.71	105	104	1	.....	.....	.....
		Unknown	.....	.....	.....	3	3	.....	.....	.....	.....

[a] For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.*	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Oakland	102	Total	.....	38,082	1.68	641	636	1	3	.....	1
		Males	50.39	19,446	1.65	321	317	1	3	.....	.....
		Females	49.61	18,636	1.70	316	316	.....	.....	.....	.....
		Unknown	.....	.....	.....	4	3	.....	.....	.....	1
Oceana	95	Total	.....	8,360	3.29	275	264	.....	.....	11	.....
		Males	48.73	4,581	2.93	134	132	.....	.....	2	.....
		Females	51.27	3,779	3.73	141	132	.....	.....	9	.....
Ogemaw	150	Total	.....	207	2.41	5	5	.....	.....	.....	.....
		Males	60.00	153	1.96	3	3	.....	.....	.....	.....
		Females	40.00	54	3.70	2	2	.....	.....	.....	.....
Ontonagon	97	Total	.....	2,406	2.87	69	69	.....	.....	.....	.....
		Males	49.28	1,276	2.66	34	34	.....	.....	.....	.....
		Females	50.72	1,130	3.10	35	35	.....	.....	.....	.....
Osceola	131	Total	.....	6,216	4.13	257	256	.....	.....	.....	1
		Males	56.64	3,491	4.15	145	145	.....	.....	.....	.....
		Females	43.36	2,725	4.07	111	111	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Otsego	156	Total	.....	238	9.66	23	23	.....	.....	.....	.....
		Males	60.87	162	8.64	14	14	.....	.....	.....	.....
		Females	39.13	76	11.84	9	9	.....	.....	.....	.....
Ottawa	97	Total	.....	29,929	2.87	859	856	2	.....	.....	1
		Males	49.36	15,789	2.68	423	423	.....	.....	.....	.....
		Females	50.64	14,140	3.07	434	432	2	.....	.....	.....
		Unknown	.....	.....	.....	2	1	.....	.....	.....	1
Presque Isle	96	Total	.....	1,615	5.70	92	92	.....	.....	.....	.....
		Males	48.91	851	5.29	45	45	.....	.....	.....	.....
		Females	51.09	764	6.15	47	47	.....	.....	.....	.....
Roscommon	400	Total	.....	276	1.81	5	5	.....	.....	.....	.....
		Males	80.00	187	2.14	4	4	.....	.....	.....	.....
		Females	20.00	89	1.12	1	1	.....	.....	.....	.....
Saginaw	106	Total	.....	48,409	2.87	1,391	1,383	.....	1	7	.....
		Males	51.40	25,968	2.75	715	709	.....	1	5	.....
		Females	48.60	22,441	3.01	676	674	.....	.....	2	.....

* For townships from which no returns of births were received, see Table XXI.

TABLE VI.—CONTINUED.—*Births by Counties, by Sex, and by Color.*

COUNTIES.[a]	Births,—Males to 100 Females.	SEX.	Per Ct. of Births of each Sex to Total of both Sexes.	Population in 1874 Represented by Births in 1878.	Per Ct. of Births of each Sex to Population of same Sex.	COLOR,—CHILDREN BORN IN 1878. Total of all Colors.	White.	Black.	Mulatto.	Indian.	Unk.
Sanilac	120	Total	.....	16,292	3.82	623	622	.....	.....	.....	1
		Males	54.50	8,652	3.92	339	339	.....	.....	.....	.....
		Females	45.50	7,640	3.70	283	283	.....	.....	.....	.....
		Unknown	.....	.....	.....	1	.....	.....	.....	.....	1
Schoolcraft[a]	75	Total	.....	818	1.71	14	14	.....	.....	.....	.....
		Males	42.86	504	1.19	6	6	.....	.....	.....	.....
		Females	57.14	314	2.55	8	8	.....	.....	.....	.....
Shiawassee[a]	101	Total	.....	20,275	2.52	510	510	.....	.....	.....	.....
		Males	50.20	10,487	2.44	256	256	.....	.....	.....	.....
		Females	49.80	9,788	2.60	254	254	.....	.....	.....	.....
St. Clair	115	Total	.....	40,638	2.40	977	941	1	.....	.....	35
		Males	53.43	21,181	2.46	522	504	1	.....	.....	17
		Females	46.57	19,507	2.33	455	437	.....	.....	.....	18
St. Joseph	101	Total	.....	25,906	1.89	489	485	3	1	.....	.....
		Males	50.31	13,267	1.85	246	244	2	.....	.....	.....
		Females	49.69	12,639	1.92	243	241	1	1	.....	.....
Tuscola	104	Total	.....	16,998	3.03	515	513	.....	1	1	.....
		Males	50.87	8,950	2.93	262	262	.....	.....	.....	.....
		Females	49.13	8,048	3.14	253	251	.....	1	[b] 1	.....
Van Buren	106	Total	.....	29,156	2.11	616	604	4	7	1	.....
		Males	51.54	15,062	2.10	317	313	2	1	1	.....
		Females	48.46	14,094	2.11	298	290	[c] 2	6	.....	.....
		Unknown	.....	.....	.....	1	1	.....	.....	.....	.....
Washtenaw	109	Total	.....	38,723	1.52	589	575	12	2	.....	.....
		Males	52.13	19,553	1.56	306	301	3	2	.....	.....
		Females	47.87	19,170	1.47	281	272	[c] 9	.....	.....	.....
		Unknown	.....	.....	.....	2	2	.....	.....	.....	.....
Wayne	115	Total	.....	144,903	3.58	5,192	5,138	46	7	.....	1
		Males	53.43	72,306	3.82	2,765	2,738	[d] 23	4	.....	.....
		Females	46.57	72,597	3.32	2,410	2,384	[d] 23	3	.....	.....
		Unknown	.....	.....	.....	17	16	.....	.....	.....	1
Wexford	94	Total	.....	3,011	6.61	199	197	1	.....	.....	1
		Males	48.47	1,752	5.42	96	95	.....	.....	.....	.....
		Females	51.53	1,259	8.02	101	100	[c] 1	.....	.....	.....
		Unknown	.....	.....	.....	3	2	.....	.....	.....	1

[a] For townships from which no returns of births were received, see Table XXI.
[b] Includes 1 "Red." [c] Includes 1 "Colored." [d] Includes 2 "Colored."

Table VII. shows the parent-nativity of children born in Michigan in 1878, as shown by the returns. Of all the children born, 46.42 per cent. were born of parents who were both native-born, and 34.10 per cent. were born of parents who were both foreign-born.

TABLE VII.—*Exhibiting, by Sex, by Number, and by Per Cent. of Total, the Parent-Nativity of Children returned as having been Born in Michigan during the Year 1878.*

NATIVITY OF PARENTS OF CHILDREN BORN, 1878.	TOTAL BIRTHS, 1878.							
	NUMBER.				PER CENT. OF TOTAL.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities	35,162	18,224	16,871	67	100.00	100.00	100.00	100.00
Both Parents Native	16,323	8,485	7,813	25	46.42	46.56	46.31	37.31
Both Parents Foreign	11,992	6,216	5,752	24	34.10	34.11	34.09	35.82
Foreign Father and Native Mother	3,861	1,954	1,904	3	10.98	10.72	11.29	4.48
Foreign Mother and Native Father	1,956	1,049	907	.....	5.56	5.76	5.38	.....
Unknown Mother, Father Native	210	100	108	2	.60	.55	.64	2.99
Unknown Mother, Father Foreign	128	67	61	.....	.36	.37	.36	.....
Unknown Father, Mother Native	205	100	104	1	.58	.55	.62	1.49
Unknown Father, Mother Foreign	84	32	51	1	.24	.18	.30	1.49
Both Unknown	403	221	171	11	1.15	1.21	1.01	16.42
One or Both Native	22,555	11,688	10,836	31	64.15	64.14	64.23	46.25
One or Both Foreign	18,021	9,318	8,675	28	51.25	51.13	51.42	41.79

Exhibit F is similar to Table VII., and shows, by parent-nativity, the number and per cent. of children born in this State during each of the years 1873–1878. It may be seen that 52.58 per cent. of all the mothers, and 57.99 per cent. of the fathers, in 1878, were native-born.

EXHIBIT F.—*Parent-Nativity of Children Born in Michigan during each of the Years 1873 to 1878, inclusive, according to the Returns.*

NATIVITY OF PARENTS OF CHILDREN BORN.	1873.		1874.		1875..		1876.		1877.		1878.	
	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.	Number.	Per Cent. of Total.
All Nativities	34,608	100.00	31,151	100.00	31,958	100.00	34,235	100.00	33,395	100.00	35,162	100.00
Both Parents Native	16,202	46.81	13,341	42.83	14,226	44.51	15,551	45.42	15,270	45.73	16,323	46.42
Both Parents Foreign	11,946	34.52	10,517	33.76	11,120	34.80	11,901	34.76	11,557	34.61	11,992	34.10
Foreign Father and Native Mother	3,388	9.79	3,130	10.05	3,246	10.16	3,587	10.48	3,635	10.88	3,861	10.98
Foreign Mother and Native Father	1,941	5.61	1,680	5.39	1,727	5.40	1,868	5.46	1,948	5.83	1,956	5.56
One or Both Unknown	1,131	3.27	2,483	7.97	1,639	5.13	1,328	3.88	985	2.95	1,030	2.93
One or Both Parents Native [a]	21,531	62.21	18,151	58.27	19,199	60.08	21,008	61.36	20,853	62.44	22,140	62.97
One or Both Parents Foreign [a]	17,275	49.91	15,327	49.20	16,093	50.36	17,356	50.70	17,140	51.33	17,809	50.65
Father — Native					16,309	51.03	17,703	51.71	17,392	52.06	18,489	52.58
Father — Foreign					14,812	46.35	15,721	45.92	15,313	45.85	15,961	45.45
Father — Unknown					837	2.62	811	2.37	690	2.07	692	1.97
Mother — Native					17,686	55.34	19,347	56.51	19,098	57.19	20,389	57.99
Mother — Foreign					12,961	40.56	13,853	40.46	13,599	40.72	14,032	39.91
Mother — Unknown					1,311	4.10	1,035	3.02	698	2.09	741	2.11

[a] Excluding cases where nativity of either parent is unknown.

Table VIII. also contains data concerning the parent-nativity of children born in Michigan in 1878. The table may be studied with interest and profit.

TABLE VIII.—*Exhibiting, for the State and Counties of Michigan, by Sex, the Total Number of Children returned as having been Born during the Year 1878, and the Parent-Nativity of such Children, so far as stated in the Returns.* (*Still-births included.*)

State and Counties.	Sex.	Children Born, 1878.	Nativity of Parents of Children Born,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
State[b]	Total	35,162	16,323	11,992	3,861	1,956	210	128	205	84	403
	Males	18,224	8,485	6,216	1,954	1,049	100	67	100	32	221
	Females	16,871	7,813	5,752	1,904	907	108	61	104	51	171
	Unknown	67	25	24	3	.....	2	.....	1	1	11
Alcona	Total	34	12	12	2	6	.....	.....	.....	1	1
	Males	15	6	5	.....	3	.....	.....	.....	.....	1
	Females	19	6	7	2	3	.....	.....	.....	1	.....
Allegan	Total	813	467	189	108	41	2	3	1	1	1
	Males	409	244	86	56	18	1	2	1	.....	1
	Females	403	223	102	52	23	1	1	.....	1	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Alpena	Total	194	30	127	20	10	.....	3	.....	1	3
	Males	108	14	71	12	6	.....	2	.....	1	2
	Females	85	16	55	8	4	.....	1	.....	.....	1
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Antrim	Total	90	44	27	13	1	3	.....	.....	.....	2
	Males	45	19	14	9	.....	2	.....	.....	.....	1
	Females	45	25	13	4	1	1	.....	.....	.....	1
Baraga	Total	54	13	30	9	1	.....	.....	1	.....	.....
	Males	31	8	15	7	.....	.....	.....	1	.....	.....
	Females	23	5	15	2	1	.....	.....	.....	.....	.....
Barry	Total	482	378	24	46	23	6	.....	2	.....	3
	Males	253	196	15	22	14	4	.....	1	.....	1
	Females	229	182	9	24	9	2	.....	1	.....	2
Bay	Total	920	234	447	149	78	.....	2	2	2	6
	Males	451	115	221	73	35	.....	1	2	2	2
	Females	469	119	226	76	43	.....	1	.....	.....	4
Benzie	Total	84	41	20	12	10	1	.....	.....	.....	.....
	Males	43	23	10	4	6	.....	.....	.....	.....	.....
	Females	41	18	10	8	4	1	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] For counties and townships from which no returns of births were received, see Table XXI.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Na-tive.	MOTHER UNK. Father. For-eign.	FATHER UNK. Mother. Na-tive.	FATHER UNK. Mother. For-eign.	Both Unknown.
Berrien	Total	771	476	161	90	32	3	.....	4	.....	5
	Males	397	243	84	46	16	2	.....	3	.....	3
	Females	372	233	76	43	16	1	.....	1	.....	2
	Unknown	2	.....	1	1	.....	.....	.....	.....	.....	.....
Branch	Total	492	393	35	31	17	1	.....	4	.....	1
	Males	244	201	17	15	9	1	.....	1	.....	.....
	Females	237	192	18	16	8	.....	.....	3	.....	.....
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Calhoun	Total	594	415	69	53	17	16	6	4	1	13
	Males	299	200	40	27	10	8	3	3	1	7
	Females	293	214	29	26	7	8	3	1	.....	5
	Unknown	2	1	.....	.....	.....	.....	.....	.....	.....	1
Cass	Total	447	354	32	35	15	1	.....	7	.....	3
	Males	234	184	17	18	8	.....	.....	4	.....	3
	Females	213	170	15	17	7	1	.....	3	.....	.....
Charlevoix	Total	118	48	30	28	8	.....	1	.....	.....	3
	Males	63	23	20	15	4	.....	.....	.....	.....	1
	Females	55	25	10	13	4	.....	1	.....	.....	2
Cheboygan	Total	120	46	44	24	6	.....	.....	.....	.....	.....
	Males	49	20	15	11	3	.....	.....	.....	.....	.....
	Females	70	25	29	13	3	.....	.....	.....	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Chippewa	Total	99	36	37	14	5	1	.....	5	1	.....
	Males	47	20	17	9	.....	.....	.....	1	.....	.....
	Females	52	16	20	5	5	1	.....	4	1	.....
Clare	Total	80	39	22	8	6	2	.....	1	.....	2
	Males	36	21	5	5	2	2	.....	.....	.....	1
	Females	44	18	17	3	4	.....	.....	1	.....	1
Clinton	Total	615	444	90	49	24	1	.....	3	.....	4
	Males	315	222	46	28	14	.....	.....	2	.....	3
	Females	300	222	44	21	10	1	.....	1	.....	1
Crawford	Total	13	7	3	1	2	.....	.....	.....	.....	.....
	Males	6	4	1	.....	1	.....	.....	.....	.....	.....
	Females	7	3	2	1	1	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878 [a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Delta	Total	161	21	109	21	6	.....	2	1	.....	1
	Males	82	10	56	11	2	.....	2	.....	.....	1
	Females	79	11	53	10	4	.....	.....	1	.....	.....
Eaton	Total	605	494	22	38	32	5	1	8	1	4
	Males	295	238	11	17	17	3	1	5	1	2
	Females	309	255	11	21	15	2	.....	3	.....	2
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Emmet	Total	104	64	18	7	5	1	1	1	.....	7
	Males	50	32	5	2	3	1	1	1	.....	5
	Females	53	31	13	5	2	.....	.....	.....	.....	2
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Genesee	Total	768	485	94	91	73	8	.....	6	.....	11
	Males	377	228	45	48	44	6	.....	1	.....	5
	Females	391	257	49	43	29	2	.....	5	.....	6
Gladwin	Total	18	6	9	1	1	1	.....	.....	.....	.....
	Males	10	5	3	1	1	.....	.....	.....	.....	.....
	Females	8	1	6	.....	.....	1	.....	.....	.....	.....
Grand Traverse	Total	148	84	36	15	11	.....	.....	.....	.....	2
	Males	84	53	16	7	6	.....	.....	.....	.....	2
	Females	64	31	20	8	5	.....	.....	.....	.....	.....
Gratiot	Total	416	322	31	38	18	1	.....	4	1	1
	Males	223	172	17	19	11	1	.....	2	.....	1
	Females	193	150	14	19	7	.....	.....	2	1	.....
Hillsdale	Total	510	453	16	18	16	.....	.....	.....	.....	7
	Males	264	234	9	8	10	.....	.....	.....	.....	3
	Females	246	219	7	10	6	.....	.....	.....	.....	4
Houghton	Total	914	64	718	101	17	.....	4	1	2	7
	Males	469	36	367	49	12	.....	.....	1	.....	4
	Females	442	27	349	52	5	.....	4	.....	2	3
	Unknown	3	1	2	.....	.....	.....	.....	.....	.....	.....
Huron	Total	570	52	383	67	43	7	11	1	5	1
	Males	298	31	206	29	22	4	3	.....	2	1
	Females	272	21	177	38	21	3	8	1	3	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father. Native.	MOTHER UNK. Father. Foreign.	FATHER UNK. Mother. Native.	FATHER UNK. Mother. Foreign.	Both Unknown.
Ingham	Total	593	454	44	46	25	11	4	4	2	3
	Males	312	243	21	22	11	7	3	2	1	3
	Females	280	210	23	24	14	4	2	2	1	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Ionia	Total	621	397	77	73	36	20	7	3	1	7
	Males	316	197	39	44	17	6	4	2	.....	7
	Females	304	200	38	28	19	14	3	1	1	.....
	Unknown	1	.....	.....	1	.....	.....	.....	.....	.....	.....
Iosco	Total	68	16	41	8	3	.....	.....	.....	.....	.....
	Males	39	7	25	4	3	.....	.....	.....	.....	.....
	Females	29	9	16	4	.....	.....	.....	.....	.....	.....
Isabella	Total	229	123	47	28	9	20	1	1	.....	.....
	Males	116	69	25	8	6	7	.....	1	.....	.....
	Females	113	54	22	20	3	13	1	.....	.....	.....
Isle Royal[b]		.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	Total	779	549	118	57	35	9	.....	2	2	7
	Males	411	285	67	27	19	5	.....	2	1	5
	Females	368	264	51	30	16	4	.....	.....	1	2
Kalamazoo	Total	593	370	110	50	32	9	6	7	.....	9
	Males	325	210	48	31	22	3	4	2	.....	5
	Females	267	160	62	19	10	6	2	5	.....	3
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Kalkaska	Total	66	36	14	10	5	1	.....	.....	.....	.....
	Males	29	13	8	5	3	.....	.....	.....	.....	.....
	Females	37	23	6	5	2	1	.....	.....	.....	.....
Kent	Total	1,631	688	578	177	85	5	4	17	2	75
	Males	829	355	296	89	37	1	2	8	1	40
	Females	798	331	281	88	48	4	2	8	1	35
	Unknown	4	2	1	.....	.....	.....	.....	1	.....	.....
Keweenaw	Total	269	23	208	32	1	.....	3	.....	1	1
	Males	141	11	111	19	.....	.....	.....	.....	.....	.....
	Females	126	12	95	13	1	.....	3	.....	1	1
	Unknown	2	.....	2	.....	.....	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."
[b] No returns for 1878 from County Clerk to the State Department.

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN.—1878.[a] Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Lake	Total	69	42	14	9	3	1	.....	.....	.....	.....
	Males	33	22	4	3	3	1	.....	.....	.....	.....
	Females	36	20	10	6	.....	.....	.....	.....	.....	.....
Lapeer	Total	540	233	146	86	67	.....	4	2	1	1
	Males	279	123	71	43	35	.....	3	2	1	1
	Females	260	109	75	43	32	.....	1	.....	.....	.....
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Leelanaw	Total	162	44	82	25	10	.....	.....	.....	.....	1
	Males	90	25	43	13	8	.....	.....	.....	.....	1
	Females	72	19	39	12	2	.....	.....	.....	.....	.....
Lenawee	Total	752	523	109	73	28	8	.....	6	.....	5
	Males	404	281	67	37	13	2	.....	2	.....	2
	Females	344	239	42	36	15	6	.....	4	.....	2
	Unknown	4	3	.....	.....	.....	.....	.....	.....	.....	1
Livingston	Total	449	330	47	47	21	1	.....	3	.....	.....
	Males	213	154	24	19	14	.....	.....	2	.....	.....
	Females	236	176	23	28	7	1	.....	1	.....	.....
Mackinac	Total	37	19	10	5	1	.....	.....	1	.....	1
	Males	19	10	4	3	1	.....	.....	.....	.....	1
	Females	18	9	6	2	.....	.....	.....	1	.....	.....
Macomb	Total	693	300	272	82	36	.....	1	.....	1	1
	Males	379	163	146	48	21	.....	1	.....	.....	.....
	Females	313	136	126	34	15	.....	.....	.....	1	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Manistee	Total	355	73	211	45	25	.....	.....	1	.....	.....
	Males	190	40	106	27	17	.....	.....	.....	.....	.....
	Females	165	33	105	18	8	.....	.....	1	.....	.....
Manitou	Total	30	7	17	4	2	.....	.....	.....	.....	.....
	Males	16	5	6	3	2	.....	.....	.....	.....	.....
	Females	14	2	11	1	.....	.....	.....	.....	.....	.....
Marquette	Total	721	50	579	64	25	1	.....	.....	.....	2
	Males	379	19	308	33	15	.....	.....	.....	.....	2
	Females	342	31	271	29	10	1	.....	.....	.....	.....
Mason	Total	183	85	53	33	8	1	1	.....	.....	2
	Males	94	47	24	16	5	1	.....	.....	.....	1
	Females	89	38	29	17	3	.....	1	.....	.....	1

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Mecosta	Total	265	124	79	26	26	4	1	1	1	3
	Males	126	58	37	14	14	1	.....	.....	1	1
	Females	137	65	42	12	12	2	1	1	.....	2
	Unknown	2	1	.....	.....	.....	1	.....	.....	.....	.....
Menominee	Total	45	11	17	11	1	.....	.....	4	.....	1
	Males	23	8	6	6	1	.....	.....	1	.....	1
	Females	22	3	11	5	.....	.....	.....	3	.....	.....
Midland	Total	169	77	49	20	22	.....	.....	.....	.....	1
	Males	83	36	23	10	13	.....	.....	.....	.....	1
	Females	86	41	26	10	9	.....	.....	.....	.....	.....
Missaukee	Total	38	12	19	3	3	.....	.....	.....	.....	1
	Males	17	4	8	2	3	.....	.....	.....	.....	.....
	Females	21	8	11	1	.....	.....	.....	.....	.....	1
Monroe	Total	859	515	164	109	35	13	13	4	.....	6
	Males	445	280	74	49	19	7	9	3	.....	4
	Females	412	234	90	60	16	6	4	1	.....	1
	Unknown	2	1	.....	.....	.....	.....	.....	.....	.....	1
Montcalm	Total	605	378	105	69	37	3	5	3	.....	5
	Males	333	212	59	31	21	3	4	2	.....	1
	Females	271	166	46	38	16	.....	1	1	.....	3
	Unknown	1	.....	.....	.....	.....	.....	.....	.....	.....	1
Muskegon	Total	533	147	276	63	33	2	4	5	.....	3
	Males	299	78	161	34	18	.....	3	2	.....	3
	Females	234	69	115	29	15	2	1	3	.....	.....
Newaygo	Total	243	122	25	35	14	14	4	15	4	10
	Males	135	63	16	23	8	9	.....	8	.....	8
	Females	105	57	9	12	6	5	4	7	4	1
	Unknown	3	2	.....	.....	.....	.....	.....	.....	.....	1
Oakland	Total	641	421	101	61	41	.....	.....	4	.....	13
	Males	321	221	47	29	17	.....	.....	1	.....	6
	Females	316	196	54	32	24	.....	.....	3	.....	7
	Unknown	4	4	.....	.....	.....	.....	.....	.....	.....	.....
Oceana	Total	275	177	50	29	17	1	.....	1	.....	.....
	Males	134	88	21	15	8	1	.....	1	.....	.....
	Females	141	89	29	14	9	.....	.....	.....	.....	.....

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Na-tive.	Mother Unk. Father. For-eign.	Father Unk. Mother. Na-tive.	Father Unk. Mother. For-eign.	Both Unknown.
Ogemaw	Total	5	.....	4	.....	.....	.....	.....	.....	.....	1
	Males	3	.....	3	.....	.....	.....	.....	.....	.....	.....
	Females	2	.....	1	.....	.....	.....	.....	.....	.....	1
Ontonagon	Total	69	8	47	11	2	.....	.....	.....	.....	1
	Males	34	3	22	7	1	.....	.....	.....	.....	1
	Females	35	5	25	4	1	.....	.....	.....	.....	.....
Osceola	Total	257	109	93	30	22	.....	.....	1	.....	2
	Males	145	65	52	16	11	.....	.....	.....	.....	1
	Females	111	43	41	14	11	.....	.....	1	.....	1
	Unknown	1	1	.....	.....	.....	.....	.....	.....	.....	.....
Otsego	Total	23	9	9	2	3	.....	.....	.....	.....	.....
	Males	14	7	4	1	2	.....	.....	.....	.....	.....
	Females	9	2	5	1	1	.....	.....	.....	.....	.....
Ottawa	Total	859	356	339	92	45	3	11	3	.....	10
	Males	423	176	167	49	19	.....	7	1	.....	4
	Females	434	180	172	42	26	3	4	2	.....	5
	Unknown	2	.....	.....	1	.....	.....	.....	.....	.....	1
Presque Isle	Total	92	2	87	2	1	.....	.....	.....	.....	.....
	Males	45	1	42	1	1	.....	.....	.....	.....	.....
	Females	47	1	45	1	.....	.....	.....	.....	.....	.....
Roscommon	Total	5	3	1	.....	.....	.....	1	.....	.....	.....
	Males	4	3	.....	.....	.....	.....	1	.....	.....	.....
	Females	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Saginaw	Total	1,391	466	593	197	99	2	2	4	2	26
	Males	715	234	310	101	55	1	1	2	.....	11
	Females	676	232	283	96	44	1	1	2	2	15
Sanilac	Total	623	70	372	101	76	.....	.....	2	1	1
	Males	339	39	200	52	45	.....	.....	1	1	1
	Females	283	31	171	49	31	.....	.....	1	.....	.....
	Unknown	1	.....	1	.....	.....	.....	.....	.....	.....	.....
Schoolcraft	Total	14	5	7	2	.....	.....	.....	.....	.....	.....
	Males	6	2	3	1	.....	.....	.....	.....	.....	.....
	Females	8	3	4	1	.....	.....	.....	.....	.....	.....
Shiawassee	Total	510	341	80	53	27	3	1	1	1	3
	Males	256	172	44	25	12	2	.....	1	.....	.....
	Females	254	169	36	28	15	1	1	.....	1	3

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TABLE VIII.—CONTINUED.—*Births by Counties, Parent-Nativity, and Sex.*

COUNTIES.	SEX.	Children Born, 1878.	NATIVITY OF PARENTS OF CHILDREN BORN,—1878.[a]								
			Both Native.	Both Foreign.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
St. Clair	Total	977	243	436	156	123	2	5	5	4	3
	Males	522	138	226	77	72	2	3	4	------	------
	Females	455	105	210	79	51	------	2	1	4	3
St. Joseph	Total	489	366	67	29	17	------	------	5	------	5
	Males	246	192	29	13	7	------	------	2	------	3
	Females	243	174	38	16	10	------	------	3	------	2
Tuscola	Total	515	226	160	73	54	------	1	------	------	1
	Males	262	115	79	40	27	------	------	------	------	1
	Females	253	111	81	33	27	------	1	------	------	------
Van Buren	Total	616	472	43	53	35	3	1	6	------	3
	Males	317	247	21	26	20	1	1	------	------	1
	Females	298	225	22	27	15	1	------	6	------	2
	Unknown	1	------	------	------	------	1	------	------	------	------
Washtenaw	Total	589	279	169	85	30	10	2	5	------	9
	Males	306	154	75	48	16	5	1	2	------	5
	Females	281	124	93	37	14	5	1	3	------	4
	Unknown	2	1	1	------	------	------	------	------	------	------
Wayne	Total	5,192	1,386	2,940	493	197	1	11	33	43	88
	Males	2,765	748	1,591	235	102	------	6	17	18	48
	Females	2,410	637	1,336	258	95	1	5	16	25	37
	Unknown	17	1	13	------	------	------	------	------	------	3
Wexford	Total	199	114	48	13	15	2	1	------	2	4
	Males	95	60	19	5	8	------	------	------	1	2
	Females	101	53	28	8	7	2	1	------	------	2
	Unknown	3	1	1	------	------	------	------	------	1	------

[a] "Native" includes only those born in the United States. Those cases in which the birthplace was returned as "America" were compiled with the "Unknown."

TWIN CHILDREN.

Four hundred and twenty-seven (427) pairs of twins were returned as having been born in Michigan in 1878. This is the largest number ever returned as having been born in this State, except for the year 1876. Among the twin children in 1878, there were more females than males, there being only 92 males to 100 females. The largest number of pairs of twins was returned for the month of August, the smallest for the month of November, as shown by Table IX.

TABLE IX.—*Exhibiting, by Sex, the Number of Pairs of Twins, and the Number of Twin Children Returned as having been Born in Michigan during the Year 1878, by Months Arranged in Order by Number; also, by Pairs and by Individuals, the Number of Males to 100 Females.*

	Year and Months, 1878.	Number of Twin Children, 1878.				Number of Pairs of Twins, 1878.					
		Total.	Males.	Females.	Males to 100 Females.	Total.	Males.	Females.	One of each Sex.	Males to 100 One of each Sex.	Males to 100 Females.
	Year, 1878	854	410	444	92	427	[a] 122	[b] 139	[c] 166	73	88
More than the Av. No. of Twins.	July	100	44	56	79	50	12	18	20	60	67
	April	82	43	39	110	41	10	8	23	43	125
	December	80	37	43	86	40	13	16	11	118	81
	August	76	38	38	100	38	11	11	16	69	100
	October	76	41	35	117	38	12	9	17	71	133
	March	74	31	43	72	37	9	15	13	69	60
	Average per month	71.2	34.2	37.0	92	35.6	10.2	11.6	13.8	74	88
Less than the Av. No. of Twins.	May	68	34	34	100	34	9	9	16	56	100
	January	66	40	26	154	33	15	8	10	150	188
	June	62	34	28	121	31	10	7	14	71	143
	September	62	30	32	94	31	11	12	8	138	92
	February	56	19	37	51	28	5	14	9	56	36
	November	52	19	33	58	26	5	12	9	56	42

[a] 1 pair "Colored." [b] 2 half-pairs sex unknown. [c] 1 pair "Colored," and 1 pair "Europe."

Table X. affords evidence concerning the relative proportion of plurality births among the native and the foreign-born parents in Michigan in 1878. Of the total number of pairs of twins returned, 46.37 per cent. were born of parents who were both native-born, and 33.72 per cent. were born of parents who were both foreign-born. These proportions are nearly the same as those shown for total births in Table VII., page 29.

TABLE X.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1878.*

NATIVITY OF PARENTS OF TWINS, 1878.	PAIRS OF TWINS, 1878.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	427	122	139	166	100.00	100.00	100.00	100.00
Both Native	198	57	61	80	46.37	46.72	43.88	48.19
Both Foreign	144	35	54	55	33.72	28.69	38.85	33.13
Foreign Father and Native Mother	42	10	15	17	9.84	8.20	10.79	10.24
Foreign Mother and Native Father	29	14	7	8	6.79	11.48	5.04	4.82
Unknown Mother, Father Native	4	2	1	1	.94	1.64	.72	.60
Unknown Mother, Father Foreign	4	2	.....	2	.94	1.64	.....	1.20
Unknown Father, Mother Native	2	1	.....	1	.47	.82	.....	.60
Unknown Father, Mother Foreign	.....	.....	.....	.....	.....	.....	.....	.....
Both Unknown	4	1	1	2	.94	.82	.72	1.20
One or Both Native	275	84	84	107	64.40	68.85	60.43	64.46
One or Both Foreign	219	61	76	82	51.29	50.00	54.68	49.40

EXHIBIT 5.—*By Nativity and by Color of Mothers, the Number and Proportion of Twins Returned as having been Born in Michigan during each of the Years 1876 to 1878, inclusive.*

NATIVITY AND COLOR OF MOTHERS OF TWINS.	1876.			1877.			1878.		
	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.	Pairs of Twins.	Whole Number of Mothers, Including those of Twins.	Per Ct. of Births of Twins to all Mothers.
Mothers of all Colors and of all Nativities	428	33,791	1.27	367	33,028	1.11	427	34,729	1.23
All Native Mothers	249	19,086	1.30	207	18,891	1.10	242	20,143	1.20
All Foreign Mothers	170	13,679	1.24	150	13,449	1.12	173	13,857	1.25
Mothers of Unknown Nativities	9	1,026	.88	10	688	1.45	12	729	1.65
White	424	33,273	1.27	360	32,445	1.11	420	34,290	1.22
Black	1	139	.72	1	101	.99	2	123	1.63
Mulatto	------	88	------	------	87	------	4	77	5.19
Indian	2	139	1.44	2	128	1.56	1	159	.63
Unknown	1	152	.66	4	267	1.50	------	80	------
Black and Mulatto	1	227	.44	1	188	.53	6	200	3.00

TABLE XI.—*Parent-Nativity of Twins Returned as having been Born in Michigan during the Year 1878,—distinguishing between Parents who were Natives of the same State and those Born in Different States or Countries.*

NATIVITY OF PARENTS OF TWINS, 1878.	PAIRS OF TWINS, 1878.							
	NUMBER.				PER CENT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	One of Each Sex.	Total.	Males.	Females.	One of Each Sex.
All Nativities	427	122	139	166	100.00	100.00	100.00	100.00
Same American State or Foreign Country	215	55	77	83	50.35	45.08	55.40	50.00
Different American States or Foreign Countries	127	37	38	52	29.74	30.33	27.34	31.33
Foreign Father and Native Mother	42	10	15	17	9.84	8.20	10.79	10.24
Foreign Mother and Native Father	29	14	7	8	6.79	11.48	5.04	4.82
Unknown Mother, Father Native	4	2	1	1	.94	1.64	.72	.60
Unknown Mother, Father Foreign	4	2	------	2	.94	1.64	------	1.20
Unknown Father, Mother Native	2	1	------	1	.47	.82	------	.60
Unknown Father, Mother Foreign	------	------	------	------	------	------	------	------
Both Unknown	4	1	1	2	.94	.82	.72	1.20
Different States or Countries[a]	198	61	60	77	46.37	50.00	43.17	46.39

[a] Includes "Different American States or Foreign Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father." Compare with "Same American State or Foreign Country," and with same lines in Table XV.,—for still-born children.

TABLE XII.—*Exhibiting, for the State and Counties, by Sex, the number of Pairs of Twins, the Number of Twin Children, and the Nativity of Parents of Twins Returned as having been Born in Michigan during the Year 1878. Nativity stated by Pairs of Twins.*

STATE AND COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
State	Total	854	427	93	105	122	22	42	29	4	4	2	----	4
	Males	410	122	[b] 23	[c] 34	[d] 32	[e] 3	[f] 10	[g] 14	2	2	1	----	[h] 1
	Females	444	139	[i] 32	[j] 29	[k] 45	9	[l] 15	7	1	----	----	----	1
	One of each	------	166	[m] 38	[n] 42	[o] 45	10	[p] 17	[q] 8	1	[h] 2	1	----	2
Allegan	Total	28	14	3	6	3	------	----	2	----	----	----	----	--
	Males	9	2	------	1	------	------	----	1	----	----	----	----	--
	Females	19	7	2	[q] 2	2	------	----	1	----	----	----	----	--
	One of each	------	5	1	[e] 3	1	------	----	----	----	----	----	----	--
Alpena	Total	8	4	1	1	1	------	1	----	----	----	----	----	--
	Males	2	------	------	------	------	------	----	----	----	----	----	----	--
	Females	6	2	1	1	------	------	----	----	----	----	----	----	--
	One of each	------	2	------	------	1	------	1	----	----	----	----	----	--
Baraga	Total	2	1	------	------	1	------	----	----	----	----	----	----	--
	Males	1	------	------	------	------	------	----	----	----	----	----	----	--
	Females	1	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	1	------	------	1	------	----	----	----	----	----	----	--
Barry	Total	8	4	3	1	------	------	----	----	----	----	----	----	--
	Males	6	2	2	------	------	------	----	----	----	----	----	----	--
	Females	2	------	------	------	------	------	----	----	----	----	----	----	--
	One of each	------	2	1	1	------	------	----	----	----	----	----	----	--
Bay	Total	28	14	------	------	9	1	1	1	----	1	----	----	1
	Males	11	4	------	------	3	------	----	[e] 1	----	----	----	----	--
	Females	17	7	------	------	6	1	----	----	----	----	----	----	--
	One of each	------	3	------	------	------	------	1	----	----	1	----	----	1

[a] See foot-note [a] to Table VIII.
[b] 3 males still-born, and 1 pair mulatto. [c] 4 pairs and 2 males still-born.
[d] 1 pair and 1 male still-born. [e] 1 male still-born.
[f] 1 pair and 2 males still-born, and 1 pair "Colored." [g] 3 pairs and 2 males still-born.
[h] 1 pair still-born. [i] 3 pairs and 2 females still-born, and ½ pair sex unknown.
[j] 2 pairs and 2 females still born, ½ pair sex unknown, and 2 pairs mulatto.
[k] 1 pair and 1 female still-born. [l] 2 pairs still-born.
[m] 3 pairs, 1 male, and 1 female still-born, 1 pair mulatto, and 1 pair Indian.
[n] 2 pairs and 2 males still-born.
[o] 2 pairs, 1 male, and 1 female still-born, 1 pair "Europe," and 1 pair "Colored."
[p] 1 pair and 2 males still-born. [q] 1 female still-born, and 1 pair mulatto.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Berrien	Total	14	7	1	3	1	.....	2	....	....	....	....	....	..
	Males	5	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	9	3	.....	1	1	.....	1	....	....	....	....	....	..
	One of each	.....	3	1	1	.....	.....	1	....	....	....	....	....	..
Branch	Total	8	4	1	2	1	.....	....	....	....	....	....	....	..
	Males	3	1	.....	[b] 1	.....	.....	....	....	....	....	....	....	..
	Females	5	2	1	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	[c] 1	.....	....	....	....	....	....	....	..
Calhoun	Total	24	12	4	3	3	1	1	....	....	....	....	....	..
	Males	14	4	.....	1	2	.....	[b] 1	....	....	....	....	....	..
	Females	10	2	[d] 1	1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	6	[b] 3	1	1	1	....	....	....	....	....	....	..
Cass	Total	18	9	2	4	2	.....	1	....	....	....	....	....	..
	Males	8	2	.....	1	1	.....	....	....	....	....	....	....	..
	Females	10	3	.....	[e] 2	1	.....	....	....	....	....	....	....	..
	One of each	.....	4	[e] [f] 2	1	.....	.....	1	....	....	....	....	....	..
Charlevoix	Total	4	2	.....	.....	.....	.....	1	....	....	....	....	....	1
	Males	3	1	.....	.....	.....	.....	1	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	.....	.....	....	....	....	....	....	....	1
Cheboygan	Females	2	1	.....	.....	.....	.....	1	....	....	....	....	....	..
Chippewa	Females	4	2	.....	.....	.....	.....	1	1	....	....	....	....	..
Clare	Total	2	1	.....	.....	.....	1	....	....	....	....	....	....	..
	Males	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	.....	1	....	....	....	....	....	....	..
Clinton	Total	14	7	4	2	1	.....	....	....	....	....	....	....	..
	Males	7	3	[f] 2	[f] 1	.....	.....	....	....	....	....	....	....	..
	Females	7	3	[b] 1	1	[g] 1	.....	....	....	....	....	....	....	..
	One of each	.....	1	[b] 1	.....	.....	.....	....	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.
[c] 1 pair "Europe."
[d] ½ pair sex unknown.
[e] 1 pair mulatto.
[f] 1 male still-born.
[g] 1 pair and 2 males still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Crawford	Males	2	1	.....	[b] 1	.....	.....	.....	.....	.....	.....	.....	.....	..
Delta	Females	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Baton	Total	16	8	2	5	.....	.....	.....	.....	.....	.....	1	.....	..
	Males	11	4	.....	3	.....	.....	.....	.....	.....	.....	1	.....	..
	Females	5	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	..
Genesee	Total	30	15	6	4	.....	.....	1	3	1	.....	.....	.....	..
	Males	18	7	1	2	.....	.....	.....	[c] 3	1	.....	.....	.....	..
	Females	12	4	[d] 3	.....	.....	.....	1	.....	.....	.....	.....	.....	..
	One of each	.....	4	2	[e] 2	.....	.....	.....	.....	.....	.....	.....	.....	..
Gladwin	Total	4	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	..
	Males	3	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	..
Grand Traverse	Total	6	3	2	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	4	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	2	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Gratiot	Total	14	7	2	3	.....	1	1	.....	.....	.....	.....	.....	..
	Males	7	3	[b] 1	[c] 2	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	7	3	.....	1	.....	1	[e] 1	.....	.....	.....	.....	.....	..
	One of each	.....	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Hillsdale	Total	24	12	6	6	.....	.....	.....	.....	.....	.....	.....	.....	..
	Males	14	6	3	3	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	10	4	3	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	2	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	..
Houghton	Total	12	6	.....	.....	5	1	.....	.....	.....	.....	.....	.....	..
	Males	6	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	..
	Females	6	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.
[c] 2 pairs still-born.
[d] 1 female still-born.
[e] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Huron	Total	12	6	.....	1	1	.....	1	1	2	....	....	....	..
	Males	6	2	.....	1	.....	.....	....	....	1	....	....	....	..
	Females	6	2	.....	.....	1	.....	1	....	....	....	....	....	..
	One of each	.....	2	.....	.....	.....	.....	....	1	1	....	....	....	..
Ingham	Total	14	7	3	1	1	.....	....	1	....	....	1	....	..
	Males	7	1	.....	1	.....	.....	....	....	....	....	....	....	..
	Females	7	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	5	2	.....	[b] 1	.....	....	1	....	....	1	....	..
Ionia	Total	18	9	.....	1	4	.....	2	1	1	....	....	....	..
	Males	8	2	.....	.....	1	.....	....	1	....	....	....	....	..
	Females	10	3	.....	1	1	.....	....	....	1	....	....	....	..
	One of each	.....	4	.....	.....	2	.....	2	....	....	....	....	....	..
Iosco	Total	4	2	.....	.....	2	.....	....	....	....	....	....	....	..
	Males	3	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	1	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	.....	1	.....	....	....	....	....	....	....	..
Isabella	Total	14	7	2	4	1	.....	....	....	....	....	....	....	..
	Males	6	1	.....	.....	1	.....	....	....	....	....	....	....	..
	Females	8	2	.....	2	.....	.....	....	....	....	....	....	....	..
	One of each	.....	4	2	2	.....	.....	....	....	....	....	....	....	..
Jackson	Total	16	8	2	3	2	.....	....	1	....	....	....	....	..
	Males	8	2	[b] 1	.....	.....	.....	....	[d] 1	....	....	....	....	..
	Females	8	2	.....	[d] 1	1	.....	....	....	....	....	....	....	..
	One of each	.....	4	1	[d] 2	1	.....	....	....	....	....	....	....	..
Kalamazoo	Total	14	7	2	3	.....	.....	1	....	....	1	....	....	..
	Males	10	4	1	1	.....	.....	1	....	....	1	....	....	..
	Females	4	1	1	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	2	.....	2	.....	.....	....	....	....	....	....	....	..
Kalkaska	Total	4	2	1	.....	.....	.....	1	....	....	....	....	....	..
	Males	2	1	1	.....	.....	.....	....	....	....	....	....	....	..
	Females	2	1	.....	.....	.....	.....	1	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 male still-born.
[c] 1 pair "Indian."
[d] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Kent	Total	42	21	5	4	9	.....	1	.....	.....	.....	.....	.....	2
	Males	18	4	.....	1	2	.....	.....	.....	.....	.....	.....	.....	b1
	Females	24	7	2	1	3	.....	.....	.....	.....	.....	.....	.....	1
	One of each	.....	10	3	2	4	.....	1	.....	.....	.....	.....	.....	--
Keweenaw	Total	4	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	--
	Males	3	1	.....	.....	c 1	.....	.....	.....	.....	.....	.....	.....	--
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	--
Lake	Males	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	--
Lapeer	Total	8	4	1	1	1	1	.....	.....	.....	.....	.....	.....	--
	Males	4	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	Females	4	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	2	.....	1	.....	1	.....	.....	.....	.....	.....	.....	--
Leelanaw	Total	2	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	--
	Males	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	Females	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	--
Lenawee	Total	12	6	1	3	2	.....	.....	.....	.....	.....	.....	.....	--
	Males	2	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	--
	Females	10	5	1	2	2	.....	.....	.....	.....	.....	.....	.....	--
Livingston	Total	8	4	.....	2	1	.....	1	.....	.....	.....	.....	.....	--
	Males	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	Females	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	4	.....	2	1	.....	1	.....	.....	.....	.....	.....	--
Macomb	Total	10	5	1	1	2	.....	1	.....	.....	.....	.....	.....	--
	Males	4	1	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	--
	Females	6	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	--
Manistee	Total	12	6	1	.....	4	1	.....	.....	.....	.....	.....	.....	--
	Males	9	3	.....	.....	2	c 1	.....	.....	.....	.....	.....	.....	--
	Females	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	--
	One of each	.....	3	1	.....	2	.....	.....	.....	.....	.....	.....	.....	--

[a] See foot-note [a] to Table VIII.
[b] 1 pair still-born.
[c] 1 male still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.				MOTHER UNK.		FATHER UNK.		
										Father.		Mother.		
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Marquette	Total	14	7	.....	.....	6	1	.....	.....	.....	.....	.....	.....	..
	Males	7	2	.....	.....	1	1	.....	.....	.....	.....	.....	.....	..
	Females	7	2	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	3	.....	.....	3	.....	.....	.....	.....	.....	.....	.....	..
Mason	Females	2	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	..
Mecosta	Total	8	4	1	1	1	.....	.....	1	.....	.....	.....	.....	..
	Males	3	1	[b] 1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	2	.....	1	1	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	..
Missaukee	Females	2	1	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	..
Monroe	Total	12	6	2	2	1	.....	.....	1	.....	.....	.....	.....	..
	Males	5	2	.....	1	.....	.....	.....	1	.....	.....	.....	.....	..
	Females	7	3	[c] 2	.....	1	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
Montcalm	Total	30	15	2	5	4	1	2	.....	.....	1	.....	.....	..
	Males	19	7	.....	[c] 3	2	.....	1	.....	.....	1	.....	.....	..
	Females	11	3	.....	.....	1	1	1	.....	.....	.....	.....	.....	..
	One of each	.....	5	2	2	1	.....	.....	.....	.....	.....	.....	.....	..
Muskegon	Total	14	7	2	2	2	.....	.....	1	.....	.....	.....	.....	..
	Males	9	3	1	1	[c] 1	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	1	.....	.....	.....	.....	.....	1	.....	.....	.....	.....	..
	One of each	.....	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	..
Newaygo	Females	2	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
Oakland	Total	10	5	2	2	1	.....	.....	.....	.....	.....	.....	.....	..
	Males	5	1	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	5	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	One of each	.....	3	1	1	1	.....	.....	.....	.....	.....	.....	.....	..
Oceana	Total	12	6	1	3	.....	1	.....	1	.....	.....	.....	.....	..
	Males	5	1	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	..
	Females	7	2	.....	.....	.....	1	.....	1	.....	.....	.....	.....	..
	One of each	.....	3	1	2	.....	.....	.....	.....	.....	.....	.....	.....	..
Ontonagon	Females	4	2	.....	.....	[c] 1	1	.....	.....	.....	.....	.....	.....	..

[a] See foot-note [a] to Table VIII.
[b] 1 pair mulatto.
[c] 1 pair still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	Nativity of Parents of Twins, 1878.[a] Native. Both Parents from Same State.	Native. From Different States.	Foreign. Both from Same Country.	Foreign. From Different Countries.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Mother Unk. Father. Native.	Mother Unk. Father. Foreign.	Father Unk. Mother. Native.	Father Unk. Mother. Foreign.	Both Unknown.
Osceola	Total	6	3	----	1	1	----	----	1	----	----	----	----	--
	Males	4	2	----	1	----	----	----	1	----	----	----	----	--
	Females	2	1	----	----	1	----	----	----	----	----	----	----	--
Ottawa	Total	26	13	2	3	5	----	3	----	----	----	----	----	--
	Males	11	3	----	----	1	----	[b] 2	----	----	----	----	----	--
	Females	15	5	----	1	4	----	----	----	----	----	----	----	--
	One of each	----	5	2	[c] 2	----	----	1	----	----	----	----	----	--
Saginaw	Total	38	19	2	1	7	2	4	3	----	----	----	----	--
	Males	18	7	1	1	3	----	----	2	----	----	----	----	--
	Females	20	8	1	----	2	1	3	1	----	----	----	----	--
	One of each	----	4	----	----	[d] 2	1	1	----	----	----	----	----	--
Sanilac	Total	16	8	1	----	2	2	1	2	----	----	----	----	--
	Males	8	2	----	----	1	----	----	1	----	----	----	----	--
	Females	8	2	1	----	----	1	----	----	----	----	----	----	--
	One of each	----	4	----	----	1	1		1	----	----	----	----	--
Shiawassee	Total	20	10	3	2	3	----		1	----	----	----	----	--
	Males	9	3	2	----	1	----		----	----	----	----	----	--
	Females	11	4	----	[d] 1	1	----		1	----	----	----	----	--
	One of each	----	3	1	1	1	----		----	----	----	----	----	--
St. Clair	Total	26	13	1	----	5	1		2	----	----	----	----	--
	Males	15	4	----	----	3	----		----	----	----	----	----	--
	Females	11	2	----	----	1	----		1	----	----	----	----	--
	One of each	----	7	1	----	1	1	[c] 3	1	----	----	----	----	--
St. Joseph	Total	8	4	----	3	1	----		----	----	----	----	----	--
	Males	3	----	----	----	----	----		----	----	----	----	----	--
	Females	5	1	----	1	----	----		----	----	----	----	----	--
	One of each	----	3	----	2	1	----		----	----	----	----	----	--
Tuscola	Total	10	5	1	3	1	----		----	----	----	----	----	--
	Males	7	3	----	2	1	----		----	----	----	----	----	--
	Females	3	1	[e] 1	----	----	----		----	----	----	----	----	--
	One of each	----	1	----	1	----	----		----	----	----	----	----	--

[a] See foot-note [a] to Table VIII.
[b] 1 pair black, and 1 male still-born.
[c] 1 male still-born.
[d] 1 pair still-born.
[e] 1 female still-born.

TABLE XII.—CONTINUED.—*Parent-Nativity of Twins.*

COUNTIES.	SEX.	Number of Individuals.	Number of Pairs of Twins.	NATIVITY OF PARENTS OF TWINS, 1878.[a]										
				NATIVE.		FOREIGN.		Foreign Father and Native Mother.	Foreign Mother and Native Father.	MOTHER UNK. Father.		FATHER UNK. Mother.		Both Unknown.
				Both Parents from Same State.	From Different States.	Both from Same Country.	From Different Countries.			Native.	Foreign.	Native.	Foreign.	
Van Buren	Total	18	9	2	5	.....	.....	2	....	....	....	....	....	..
	Males	7	3	.....	1	.....	.....	2	....	....	....	....	....	..
	Females	11	5	2	3	.....	.....	....	....	....	....	....	....	..
	One of each	.....	1	.....	1	.....	.....	....	....	....	....	....	....	..
Washtenaw	Total	12	6	.....	1	4	.....	....	1	....	....	....	....	..
	Males	8	2	.....	.....	1	.....	....	1	....	....	....	....	..
	Females	4	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	One of each	.....	4	.....	1	[b] 3	.....	....	....	....	....	....	....	..
Wayne	Total	86	43	11	2	16	3	6	4	....	1	....	....	..
	Males	34	6	3	.....	2	.....	....	[c] 1	....	....	....	....	..
	Females	52	15	[d] 4	1	6	1	[d] 3	....	....	....	....	....	..
	One of each	.....	22	[d] 4	1	8	2	[f] 3	[f] 3	....	[d] 1	....	....	..
Wexford	Total	8	4	1	3	.....	.....	....	....	....	....	....	....	..
	Males	3	.....	.....	.....	.....	.....	....	....	....	....	....	....	..
	Females	5	1	.....	[g] 1	.....	.....	....	....	....	....	....	....	..
	One of each	.....	3	[h] 1	2	.....	.....	....	....	....	....	....	....	..

[a] See foot-note [a] to Table VIII.
[b] 1 pair and 1 female still-born.
[c] 1 male still-born.
[d] 1 pair still-born.
[e] 1 pair Black.
[f] 1 pair and 1 male still-born.
[g] ½ pair still-born, sex unknown.
[h] 1 female still-born.

TABLE XIII.—*Occupations of Fathers of Twins Born in Michigan during the Year 1878, according to the Returns.*

OCCUPATIONS.	Number of Each.	OCCUPATIONS.	Number of Each.
ALL OCCUPATIONS	427	Jailors	1
		Laborers	56
Artists	1	Lawyers	1
Barbers	1	Lumbermen	2
Blacksmiths	10	Machinists	5
Boatmen	1	Manufacturers	1
Boiler-makers	1	Masons	2
Book-keepers	1	Mechanics	5
Brewers	1	Merchants	7
Brick-makers	1	Mill-wrights	1
Butchers	3	Mine Captains	1
Cabinet-makers	1	Miners	9
Carpenters	12	Ministers	3
Carriage-makers	1	Miscellaneous	1
Cigar-makers	1	Painters	4
Civil Engineers	1	Photographers	1
Clerks	2	Physicians	2
Conductors	1	Policemen	2
Contractors	1	R. R. Clerks	1
Coopers	1	R. R. Laborers	1
Copper-washers	1	R. R. Section Bosses	1
Draymen	1	Sailors	2
Druggists	1	Salesmen	3
Engineers	2	Saloon-keepers	2
Farmers	228	Sawyers	2
Firemen	1	Ship-carpenters	3
Fruit-growers	1	Shoemakers	4
Furniture Dealers	1	Stewards	1
Gardeners	3	Stone-masons	1
Grocers	4	Store-keepers	1
Hackmen	1	Teamsters	6
Harness-makers	1	Unknown	2
Ice-peddlers	1	Veterinary Surgeons	1
Iron-moulders	1	Wagon-makers	2
Iron-rollers	1	Waiters	1

TRIPLET CHILDREN, 1878.

Three sets of triplets were returned for the year 1878. Table XIX. contains certain details concerning the triplet children returned as having been born in this State in 1878. Seven of the nine triplet children were males and two were females.

TABLE XIX.—*Exhibiting certain Details concerning Triplet Children Returned as having been born in Michigan during the Year 1878.*

COUNTIES.	Triplet Children, 1878.				Parents of Triplets, 1878.		
	Month of Birth, 1878.	Color.	Sex.		Birthplace of Father.	Birthplace of Mother.	Occupation of Father.
			Males.	Females.			
Chippewa	Nov.	White	3	.....	Canada	Canada	Farmer
Ingham	Oct.	White	1	2	New York	Michigan	Farmer
Washtenaw	Oct.	White	3	.....	Ohio	Michigan	Farmer

STILL-BIRTHS.

During the year 1878, according to the returns of births and deaths, there were 793 still-born children born in Michigan,—the largest number ever returned to the State Department. There has been a constant increase in the number each year. In 1878, 2.26 per cent. of all the children returned were still-born, and 2.20 per cent. of all the mothers who bore children in 1878 bore still-born children, as shown in Exhibit 6.

Exhibit 7 shows, by nativity and color, what proportion of the mothers bore still-born children during each of the years 1872–1878, and it may be seen that the proportion of still-births among the foreign-born mothers is very much greater than among the native-born, and very much greater among the Mulatto mothers than among those of any other color.

EXHIBIT 6.—*The Relation of Still-born Children to all Children Returned as having been Born in Michigan during the several Years 1873 to 1878, inclusive, and of the Mothers of Still-born Children to all Mothers Returned as having Borne Children during each of the Years 1873 to 1878, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND STILL-BIRTHS.					
	1873.	1874.	1875.	1876.	1877.	1878.
All Children born	34,608	31,151	31,958	34,235	33,395	35,162
Still-born Children	* 348	464	629	646	729	793
Per Cent. of Still-born to Total	1.01	1.49	1.97	1.89	2.15	2.26
All Mothers	34,180	30,739	31,586	33,791	33,028	34,729
Mothers of Still-born Children	* 333	454	613	620	697	765
Per Cent. of Mothers of Still-born Children to All Mothers	.97	1.48	1.94	1.83	2.11	2.20

* As per returns of births.

EXHIBIT 7.—*By Nativity and Color, the Number and Proportion of Mothers having Still-births in Michigan during each of the Years 1876—1878, inclusive, according to the Returns.*

NATIVITY AND COLOR OF MOTHERS.	1876.			1877.			1878.		
	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.	Mothers having Still-births.	Whole No. of Moth'rs, including those of Still-births.	Per Cent. of Mothers of Still-births to all Moth'rs.
Mothers of all colors and all nativities	620	33,791	1.83	697	33,028	2.11	765	34,729	2.20
All native mothers	277	19,086	1.45	337	18,891	1.78	358	20,143	1.78
All foreign mothers	268	13,679	1.96	286	13,449	2.12	321	13,857	2.32
Mothers of unknown nativities	75	1,026	7.31	74	688	10.76	86	729	11.80
White	595	33,273	1.79	677	32,445	2.08	747	34,290	2.18
Black	7	139	5.04	1	101	.99	3	123	2.44
Mulatto	2	88	2.27	3	87	3.45	4	77	5.19
Indian	2	139	1.44	4	128	3.13	.....	159	.....
Unknown	14	152	9.21	12	267	4.49	11	80	13.75
Black and Mulatto	9	227	3.96	4	188	2.13	7	200	3.50

TABLE XIV.—*Exhibiting, by Sex, the Parent-Nativity, and by Sex and by Months, the Number of Still-births Returned as having Occurred in Michigan during the Year 1878.*

SEX.	YEAR, 1878.	MONTHS, 1878.												NATIVITY OF PARENTS OF STILL-BIRTHS, 1878.															
														PARENTS BORN IN MICHIGAN.		NATIVE.				FOREIGN.						MOTHER UNK.		FATHER UNK.		
																										Father.		Mother.		
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Father.	Mother.	Total.	Same State.	Different States.	Unknown.	Total.	Same Country.	Different Countries.	Unknown.	Foreign Father and Native Mother.	Foreign Mother and Native Father.	Native.	Foreign.	Native.	Foreign.	Both Unknown.
Total.....	[a] 793	52	54	54	75	69	57	64	60	61	67	63	117	176	204	313	165	147	1	288	252	31	5	59	37	5	6	4	4	77
Males.....	[b] 444	34	27	23	44	41	33	38	34	36	35	35	64	95	108	175	82	93	....	164	144	17	[c] 3	31	23	4	4	1	3	439
Females..	[d] 307	14	24	29	25	26	22	25	25	21	26	26	44	77	92	127	76	51	....	105	91	12	[f] 2	26	14	...	2	2	1	30
Unknown	[g] 42	4	3	2	6	2	2	1	1	4	6	2	9	4	4	11	7	3	[h] 1	19	17	2	...	2	....	1	....	1	....	8

[a] 10 pairs and 11 half pairs male twins, 8 pairs and 5 half pairs female twins, ½ pair twins unknown sex, 10 pairs twins, one of each sex, and 7 male and 2 female twins.
[b] 2 Black, 1 Mulatto, and 1 color unknown.
[c] 3 "Europe."
[d] 1 mother, "America."
[e] 1 Black and 3 Mulatto.
[f] 2 "Europe."
[g] 10 color unknown.
[h] "United States."

TABLE XV.—*Parent-Nativity of Still-born Children,—Exhibiting, by Sex, the Number and Per Cent. of Total Number Returned as having been Born in Michigan during the Year 1878, of Parents who were Natives of the Same and of Different States or Countries.*

NATIVITY OF PARENTS OF STILL-BORN CHILDREN, 1878.	STILL-BORN CHILDREN, 1878.							
	NUMBER.				PR. CT. OF EACH PARENT-NATIVITY TO TOTAL OF ALL NATIVITIES.			
	Total.	Males.	Females.	Unkno'n.	Total.	Males.	Females.	Unknown.
All Nativities	793	444	307	42	100.00	100.00	100.00	100.00
Same American State or Foreign Country	[a] 423	229	169	25	53.34	51.58	55.05	59.52
Different American States or Foreign Countries	178	110	63	5	22.45	24.77	20.52	11.90
Foreign Father and Native Mother	59	31	26	2	7.44	6.98	8.47	4.76
Foreign Mother and Native Father	37	23	14	.....	4.67	5.18	4.56	.....
Unknown Mother, Father Native	5	4	.....	1	.63	.90	.....	2.38
Unknown Mother, Father Foreign	6	4	2	.....	.76	.90	.65	.....
Unknown Father, Mother Native	4	1	2	1	.50	.23	.65	2.38
Unknown Father, Mother Foreign	4	3	1	.....	.50	.68	.33	.....
Both unknown	77	39	30	8	9.71	8.78	9.77	19.05
Different States or Countries [b]	274	164	103	7	[b] 34.55	36.94	33.55	16.67
Native	313	175	127	11	39.47	39.41	41.37	26.19
Foreign	288	164	105	19	36.32	36.94	34.20	45.24

[a] 1 Unknown sex "United States," and 3 males and 2 females "Europe."
[b] Compare with same statement for twins in Table XI., page 41.

EXHIBIT 11.—*Occupations of Fathers of Still-born Children in Michigan in 1878, according to the Returns.*

FATHERS.	CHILDREN.			FATHERS.	CHILDREN.		
OCCUPATIONS.	Males.	Females.	Unk.	OCCUPATIONS.	Males.	Females.	Unk.
Accountants	------	------	1	Lumbermen	3	3	------
Agents	1	------	------	Machinists	5	------	------
Auctioneers	1	------	------	Manufacturers	1	------	------
Baggagemen	------	1	------	Masons	1	------	------
Barbers	1	------	------	Mechanics	3	5	------
Bar-tenders	------	1	------	Merchants	6	7	1
Basket-makers	------	1	------	Millers	2	------	------
Blacksmiths	6	4	------	Mill Men	------	1	------
Boarding-house keepers	1	------	------	Milk Dealers	1	------	------
Book-keepers	1	4	------	Miners	21	12	1
Brewers	------	------	1	Moulders	3	------	------
Butchers	2	2	2	Painters	1	3	------
Cabinet-makers	1	1	------	Patent-right Agents	------	------	1
Carpenters	11	4	3	Pattern Fitters	1	------	------
Carpenters and Joiners	1	------	------	"Peanut Stand"	1	------	------
Carriage Manufacturers	------	1	1	Peddlers	1	2	------
Carriage-trimmers	1	------	------	Pensioners	1	------	------
Choppers	------	1	------	Physicians	3	1	------
Cigar-makers	2	1	------	Plasterers	1	------	------
Clerks	8	2	------	Policemen	1	------	------
Commercial Agents	1	------	------	Politicians	1	------	------
Cooks	1	2	------	Printers	2	------	------
Coopers	------	2	2	R. R. Agents	1	2	------
Deputy Treas. D. L. & N. R. R.	1	------	------	R. R. Clerks	1	------	------
Doctors of Divinity	1	------	------	R. R. Employes	------	2	------
Draymen	1	1	------	R. R. Laborers	1	------	------
Engineers	3	------	------	River Men	1	------	------
Factory-hand	1	------	------	Sailors	------	4	------
Farmers	195	125	8	Saloon-keepers	3	------	------
Farm Laborers	1	1	------	Sculptors	1	------	------
Finishers	------	------	1	"Second-hand Furniture"	1	1	------
Firemen in Mill	------	1	------	Shingle Dealers	------	1	------
Firemen	------	1	------	Ship-builders	2	------	------
Fishermen	1	------	------	Shoe-makers	1	2	------
Foremen	1	1	------	Smelters	1	------	------
Gardeners	1	1	------	Station Agents	------	1	------
Grocers	2	------	------	Tanners	1	------	------
Harness-makers	1	------	------	Teachers	4	------	------
Hotel-keepers	------	2	------	Teamsters	3	3	------
Insurance Agents	------	2	------	Tinsmiths	1	1	------
Jewelers	1	------	------	Unknown	37	29	8
Joiners	------	1	------	Upholsterers	1	------	------
Laborers	74	61	8	Wagon-makers	2	1	------
Laborers in Mill	------	1	------	Waiters	1	------	------
Livery-keepers	------	1	------	Watchmen	------	------	1
Log-drivers	------	1	------				

ILLEGITIMATE CHILDREN.

The number of illegitimate children returned as having been born in Michigan in 1878 is the smallest number returned for any of the years 1873–1878, except for the year 1875, as shown by Exhibit 8. There were doubtless more omitted in the enumeration than usual, as explained in foot-note * to Exhibit 8, (which see); but if these 70, in the ninth ward of Detroit city, are added to the number returned, there would be only two years (1873 and 1877) for which a larger number of illegitimate births would appear in the exhibit. The proportion of all children born in 1878 who were illegitimate was smaller than in any of the previous years 1868–1877. In 1878 there was one illegitimate birth returned for about every 175 children born.

EXHIBIT 8.—*The Relation of the Illegitimate Children to All Children Returned as having been Born during the several Years 1873 to 1878, inclusive, and of Mothers of Illegitimates to All Mothers Returned as having Borne Children in Michigan during each of the Years 1873 to 1878, inclusive.*

CHILDREN AND MOTHERS.	TOTAL BIRTHS AND ILLEGITIMATES.					
	1873.	1874.	1875.	1876.	1877.	1878.
All Children born	34,608	31,151	31,958	34,235	33,395	35,162
Illegitimate Children	316	236	193	266	316	* 202
Per Cent. of Illegitimates to Total	.91	.76	.60	.78	.95	.57
All Mothers	34,180	30,739	31,586	33,791	33,028	34,729
Mothers of Illegitimate Children	314	236	192	262	312	* 202
Per Cent. of Mothers of Illegitimates to All Mothers	.92	.77	.61	.78	.94	.58

* The number of illegitimates returned for Wayne county for 1878 is probably too small by about 70 births. Heretofore the children born in the "Foundlings' Home," in the ninth ward of Detroit, have generally been returned as illegitimate; but we are unable to get any such statement for 1880, although there is no doubt that those children whose fathers' names are reported as "Unknown" (the mothers' names being given), in the said ninth ward, are illegitimate.

EXHIBIT 9.——*By Nativity and Color, the Number and Proportion of Mothers of Illegitimate Children Returned as having been Born in Michigan during each of the Years 1876 to 1878, inclusive.*

NATIVITY AND COLOR OF MOTHERS.	1876.			1877.			1878.		
	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.	Mothers having Illegitimates.	Whole No. of Mothers including those of Illegitimates.	Per Ct. of Mothers of Illegitimates to all Moth'rs.
Mothers of all colors and all nativities	262	33,791	.78	312	33,028	.94	[a] 202	34,729	.58
All Native Mothers	170	19,086	.89	160	18,891	.85	114	20,143	.57
All Foreign Mothers	53	13,679	.39	79	13,449	.59	34	13,857	.25
Mothers of unknown nativities.	39	1,026	3.80	73	688	10.61	54	729	7.41
White	243	33,273	.73	286	32,445	.88	179	34,290	.52
Black	3	139	2.16	6	101	5.94	7	123	5.69
Mulatto	7	88	7.95	4	87	4.60	3	77	3.90
Indian	9	139	6.47	15	128	11.72	11	159	6.92
Unknown	.....	152	.....	1	267	.37	2	80	2.50
Black and Mulatto	10	227	4.41	10	188	5.32	10	200	5.00

[a] See foot-note [a] to Exhibit 8, page 56.

TABLE XVIII.—*Exhibiting the Number of Males to 100 Females, and by Sex, the Number and Per Cent. of Total Number of Illegitimate Children Born of Native and of Foreign-born Parents, in Michigan, during the Year 1878.*

NATIVITY OF PARENTS OF ILLEGITIMATE CHILDREN, 1878.		ILLEGITIMATE CHILDREN, 1878.								
		Number of Males to 100 Females.	NUMBER.				PER CENT. OF TOTAL.			
			Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.
All Nativities		116	202	108	93	1	100.00	100.00	100.00	100.00
Mothers	Native	126	114	63	50	1	56.44	58.33	53.76	100.00
	Foreign	55	34	12	22	.....	16.83	11.11	23.66	.....
	Unknown	157	54	33	21	.....	26.73	30.56	22.58	.....
Fathers	Native	173	30	19	11	.....	14.85	17.59	11.83	.....
	Foreign	183	17	11	6	.....	8.42	10.19	6.45	.....
	Unknown	103	155	78	76	1	76.73	72.22	81.72	100.00

TABLE XVI.—*Exhibiting, by Sex, the Total Number, Number by Months, and the Nativity of Parents of Illegitimate Children Born in Michigan, during the Year ending December 31, 1878, according to the Returns.*

SEX.	YEAR, 1878.	MONTHS, 1878.												NATIVITY OF MOTHERS OF ILLEGITIMATE CHILDREN, 1878.							NATIVITY OF FATHERS OF ILLEGITIMATE CHILDREN, 1878.						
														NATIVE.			FOREIGN.				NATIVE.			FOREIGN.			
		January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.	Total.	Born in Michigan.	Born in Other States.	Total.	Born in Canada.	Born in Other Countries.	Unknown.
Total.....	[a] 202	9	20	16	20	17	20	16	13	8	15	25	23	114	78	36	34	11	23	54	30	18	12	17	5	12	155
Males.....	[b] 108	5	9	10	8	10	11	12	8	3	6	13	13	63	41	22	12	5	7	[c] 33	19	11	8	11	5	6	78
Females.....	[d] 93	4	11	6	12	7	9	4	5	5	9	12	9	50	36	14	22	6	16	[e] 21	11	7	4	6	....	6	76
Unknown.....	[f] 1	....	....	....	....	....	....	...	....	....	....	....	1	1	1	....	....	....	....	....	....	....	....	....	....	....	1

[a] See foot-note [a] to Exhibit 8, page 56.
[b] 3 Black, 2 Mulatto, 3 Indian, 1 "Half-breed," 1 "Half-Indian," 1 color unknown; 1 half-pair twins, one of each sex, and 4 still-born.
[c] 8 "America."
[d] 4 Black, 1 Mulatto, 2 Indian, and 4 "Half-breed;" 1 half-pair twins, one of each sex, and 7 still-born.
[e] 5 "America."
[f] Unknown color, still-born.

TABLE XVII.—*Exhibiting, by Color and by Sex, the Number of Illegitimate Children Returned as having been Born in Michigan during the Year 1878; also the Per Cent. of Each Sex to the Total of Both Sexes.*

COLOR OR RACE.	SEX.	Total Illegitimate Births, 1878.	Per Cent. of Each Sex to Total of Both Sexes.
All Colors	Total	202	.....
	Males	108	53.78
	Females	93	46.27
	Unknown	1	.....
White	Total	179	.....
	Males	97	54.19
	Females	82	45.81
Black	Total	7	.....
	Males	3	42.86
	Females	4	57.14
Mulatto	Total	3	.....
	Males	2	66.67
	Females	1	33.33
Indian	Total	11	.....
	Males	5	45.45
	Females	6	54.55
Unknown	Total	2	.....
	Males	1	100.00
	Females	.....	.....
	Unknown	1	.....
Black and Mulatto	Total	10	.....
	Males	5	50.00
	Females	5	50.00

TABLE XX.—*Exhibiting the Number of Males to 100 Females among Twin Children, and the Number of Illegitimate and Still-born Children Returned as having been born in Michigan during the Year 1878.*

STATE AND COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1878.	Number of Still-births in 1878.	COUNTIES.	Twin Children,—Number of Males to 100 Females.	Number of Illegitimate Children born in 1878.	Number of Still-births in 1878.
State	92	202	793	Kent	75	7	35
Alcona	.....	.....	.....	Keweenaw	300	1	23
Allegan	47	3	14	Lake	b	1	3
Alpena	33	.....	7	Lapeer	100	3	6
Baraga	100	2	.....	Leelanaw	100	1	1
Barry	300	1	7	Lenawee	20	1	19
Bay	65	3	13	Livingston	100	1	3
Benzie	.....	.....	1	Macomb	67	.....	11
Berrien	56	3	13	Manistee	300	1	9
Branch	60	3	10	Marquette	100	3	17
Calhoun	140	2	17	Mason	a	.....	5
Cass	80	6	11	Mecosta	60	1	5
Charlevoix	300	.....	1	Menominee	.....	.....	3
Cheboygan	a	.....	1	Midland	.....	.....	5
Chippewa	a	6	.....	Missaukee	a	.....	1
Clare	100	1	2	Monroe	71	3	29
Clinton	100	5	21	Montcalm	173	3	12
Crawford	b	.....	1	Muskegon	160	6	12
Delta	a	.....	1	Newaygo	a	1	5
Eaton	220	2	14	Oakland	100	8	9
Emmet	.....	2	.....	Oceana	71	1	2
Genesee	150	5	21	Ontonagon	a	.....	5
Gladwin	300	.....	.....	Osceola	200	.....	12
Grand Traverse	50	1	4	Ottawa	73	4	33
Gratiot	100	4	12	Presque Isle	.....	.....	2
Hillsdale	140	.....	11	Saginaw	90	3	26
Houghton	100	5	23	Sanilac	100	3	5
Huron	100	1	6	Shiawassee	82	4	7
Ingham	100	2	4	St. Clair	136	9	20
Ionia	80	5	13	St. Joseph	60	5	11
Iosco	300	.....	1	Tuscola	233	1	14
Isabella	75	2	11	Van Buren	64	6	10
Jackson	100	2	17	Washtenaw	200	8	18
Kalamazoo	250	6	13	Wayne	65	c 44	130
Kalkaska	100	.....	.....	Wexford	60	1	15

a No males. b No females. c See foot-note a to Exhibit 8, page 56.

Exhibit 10 shows that there were twenty-two townships in this State in 1878, in which it is reported that there were no births. These townships represented in 1874, so far as can be ascertained, a population of 6,522.

EXHIBIT 10.—*Townships in which it is Reported that there were No Births in 1878.*

COUNTIES.	TOWNSHIPS,—NO BIRTHS IN 1878.	POPULATION IN 1874.		
		Total.	Males.	Females.
Total		6,522	3,682	2,840
Alpena	Ossineke	110	78	32
Bay	Bangor	4,892	2,677	2,215
Benzie	Gilmore	504	272	232
Clare	Hayes [a]			
Crawford [a]	Frederick [a]			
	Grayling [a]			
	South Branch [a]			
Iosco	Plainfield	119	71	48
Isabella	Gilmore	115	66	49
Lake	Eden [a]			
Missaukee	Pioneer	60	40	20
Muskegon	Blue Lake	297	180	117
Ogemaw [a]	Cummings [a]			
	Ogemaw [b]	149	99	50
	Rose [a]			
Ontonagon	Carp Lake	76	52	24
Otsego [a]	Charlton [a]			
	Elmira [a]			
	Corwith [a]			
	Dover [a]			
Roscommon [a]	Nester [a]			
	Roscommon [c]	200	147	53

[a] Organized since Census was taken.
[b] Formerly in Iosco county.
[c] Formerly in Midland county.

According to the evidence given in Table XXI. there were 13 townships and one county in this State from which no returns of births were received during the year 1878.

TABLE XXI.—*Exhibiting the Counties and Townships from which no Returns of Births in 1878 were received, and, by Sex, the Number of Inhabitants in such Counties and Townships.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF BIRTHS WERE RECEIVED FOR 1878.	POPULATION IN 1874.		
		Total.	Males.	Females.
Total		5,546	3,036	2,510
Chippewa	Detour [a]	221	131	90
	Sugar Island [a]	332	173	159
Isabella	Rolland	293	153	140
Isle Royal	All Townships	4	4	-------
Mackinac	Hendricks [a b]	----------	----------	-------
	Holmes [a]	798	406	392
	Newton [a b]	----------	----------	-------
	St. Ignace [a]	326	166	160
Menominee	Cedarville	242	159	83
	Breitung [b]	----------	----------	-------
	Spaulding [b]	----------	----------	-------
Muskegon	Montague [a]	1,360	746	614
Schoolcraft	Munising [a]	472	320	152
Shiawassee	Burns [a]	1,498	778	720

[a] County Clerk says no returns from Supervisor.
[b] Organized since Census was taken.

The following tables and exhibits contain important data concerning the sex of children.

TABLE XXII.—*Exhibiting, by Months, the Relation between the Total Number of Conceptions during certain Months of the Years 1877–8, and the Proportion of each Sex Conceived during the same time and Born during the Year ending December 31, 1878, according to the Returns.*

Conceptions for Births in 1878.[a]					
Months of 1877 and 1878 of Conceptions of Births in 1878, in order by number, the least first.		Total Number of Conceptions.[b]	Months of 1877 and 1878, in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females.
Less than the Average Number of Conceptions.	April	2,153	More than the Average Number of Males.	April	117
	May	2,619		December[c]	114
	August	2,750		July[c]	111
	October	2,781		September	111
	June	2,783		January, 1878[c]	111
	September	2,836		May	110
Average		2,923		November[c]	110
More than the Average Number of Conceptions.	July	2,972	Average		108
	February, 1878	3,100	Less than the Av. Number of Males.	October[c]	107
	January, 1878	3,199		March, 1878	106
	November	3,232		June[c]	104
	December	3,302		August[c]	100
	March, 1878	3,351		February, 1878	100

[a] Equalized to months of 30.44 days each, and excluding unknown sex and unknown month.
[b] For purposes of this study the time of conception is presumed to be nine calendar months previous to the month of birth.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average total number of conceptions occurred, and *vice versa*.

EXHIBIT N.—*Births Returned as having occurred in Michigan during the Year 1878, by Sex, and by Months Equalized to 30.44 days each.*

Sex.	Year, 1878.	Months of Births, Equalized, 1878.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	[a] 35,176	2,162	2,624	2,785	2,980	2,755	2,838	2,784	3,236	3,307	3,207	3,105	3,361	32
Males	18,234	1,159	1,369	1,418	1,561	1,375	1,494	1,436	1,690	1,758	1,681	1,551	1,722	20
Females	16,875	994	1,250	1,365	1,411	1,375	1,342	1,345	1,542	1,544	1,518	1,549	1,629	11
Unknown	67	9	5	2	8	5	2	3	4	5	8	5	10	1

[a] The total number as equalized is 14 more than the total number returned (35,162).

TABLE XXIII.—*Exhibiting, by Months, the Relation between the Number of Conceptions and the Number of Males to 100 Females. Conceptions estimated from Births Corrected as if Enumerated in Months of Occurrence and Equalized to Months of uniform length.*

CONCEPTIONS FOR BIRTHS IN 1878.[a]					
Months of 1877 and 1878 of Conceptions of Births in 1878, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.		Number of Conceptions as Corrected and Equalized.[b]	Months of 1877 and 1878 of Conceptions of Births in 1878, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.		Number of Males to 100 Females. Births Corrected and Equalized.
Less than the Average No. of Conceptions.	April	3,004	More than the Average Number of Males.	December[c]	114
	February, 1878	3,996		September[c]	112
	October	4,118		July[c]	111
	March, 1878	4,158		January, 1878	111
	January, 1878	4,277		May[c]	110
Average		4,285		November[c]	110
More than the Average No. of Conceptions.	August	4,335		October	107
	September	4,336		March, 1878	106
	May	4,508	Average		105
	December	4,574	Less than the Av. Number of Males.	June	104
	November	4,629		August	100
	June	4,655		February, 1878[c]	100
	July	4,830		April[c]	71

[a] See foot-note [b] to Table XXII., page 63.
[b] Excluding unknown month and unknown sex.
[c] Exceptions to the proposition that *more* than the average proportion of males were conceived in months in which *less* than the average number of conceptions occurred and *less* than the average proportion of males in months in which *more* than the average number of conceptions occurred.

EXHIBIT O.—*Births Returned as having occurred in Michigan during the Year 1878, by Sex, and by Months Equalized to 30.44 days each, and by Months, the Excess of Males over Females, and the Number of Males to 100 Females. Unknown Sex and unknown month excluded.*

SEX.	YEAR, 1878.	MONTHS OF BIRTHS, EQUALIZED, 1878.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	[a] 35,078	2,153	2,619	2,783	2,972	2,750	2,836	2,781	3,232	3,302	3,199	3,100	3,351
Males	18,214	1,159	1,369	1,418	1,561	1,375	1,494	1,436	1,690	1,758	1,681	1,551	1,722
Females	16,864	994	1,250	1,365	1,411	1,375	1,342	1,345	1,542	1,544	1,518	1,549	1,629
Excess of Males	1,350	165	119	53	150	.....	152	91	148	214	163	2	93
Males to 100 Females	108	117	110	104	111	100	111	107	110	114	111	100	106

[a] Excluding 98 births of unknown sex and in unknown month, and including 14 gained in equalizing.

TABLE XXIV.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Conceptions, and the Total Number of Deaths which occurred in the Months of the Years 1877 and 1878 in which were Conceived the Children Born during the Year ending December 31, 1878.*

Deaths.			Conceptions.[b]		
	Months[a] of 1877 and 1878 of Conceptions of Births in 1878, arranged in order by Total Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1877 and 1878 of Conceptions of Births in 1878, in order by number, the least first.	Number of Conceptions, as Equalized.[a]
Less than the Average Number of Deaths.	January, 1878	717	Less than the Average No. of Conceptions.	April[c]	2,162
	February, 1878	858		May[c]	2,624
	June	888		August	2,755
	March, 1878	914		October	2,784
	May	958		June[c]	2,785
	April	992		September	2,838
	July	1,021			
Average		1,059	Average		2,929
More than the Av. No. of Deaths.	November	1,075	More than the Average No. of Conceptions.	July	2,980
	December	1,134		February, 1878	3,105
	October	1,199		January, 1878	3,207
	September	1,421		November[c]	3,236
	August	1,531		December[c]	3,307
				March, 1878	3,361

[a] Equalized to months of 30.44 days each, excluding unknown month.
[b] See foot-note [b] to table XXII., page 63.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number in months in which *more* than an average number of deaths occurred.

EXHIBIT P.—*Births Returned as having occurred in Michigan during the Year 1878, by Sex and by Months, Corrected for Omissions in Enumerating. Equalized for Increase of Population during the Year covered by the Returns, and as thus corrected and Equalized for the several Months, Equalized for Months of 30.44 days each. Unknown Sex and unknown Months excluded.*

Sex.	Year, 1878.	Months of Birth, 1878.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Both Sexes	52,588	3,130	4,682	4,820	4,982	4,457	4,442	4,206	4,712	4,639	4,321	4,024	4,173
Males	26,945	1,301	2,450	2,458	2,619	2,231	2,342	2,173	2,466	2,472	2,272	2,015	2,146
Females	25,643	1,829	2,232	2,362	2,363	2,226	2,100	2,033	2,246	2,167	2,049	2,009	2,027

TABLE XXV.—*Exhibiting the Relation, by Months, between the Number of Conceptions and the Number of Deaths, the Number of Deaths and the Number of Births Returned from which Conceptions are estimated, being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1877 and 1878 of Conceptions of Births in 1878, arranged in order by number of Deaths, the least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1877 and 1878 of Conceptions of Births in 1878, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number, the least first.	Number of Conceptions, as Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1878	1,272	Less than the Av. No. of Conceptions.	April	3,811
	June	1,298		February, 1878 [c]	3,995
	November	1,346		October	4,112
	December	1,372		March, 1878	4,163
	May	1,441		January, 1878 [c]	4,278
	July	1,450			
	February, 1878	1,481	Average		4,348
Average		1,524	More than the Average Number of Conceptions.	August	4,331
More than the Av. No. of Deaths.	March, 1878	1,532		September	4,328
	April	1,534		May	4,491
	October	1,551		December	4,570
	September	1,897		November	4,625
	August	2,109		June	4,645
				July	4,829

[a] See foot-note [b] to Table XXII, page 63.
[b] Excluding unknown month.
[c] Exceptions to the proposition that there were *more* than an average number of conceptions in months in which *less* than an average number of deaths occurred, and *less* than an average number of conceptions in months in which *more* than an average number of deaths occurred.

TABLE XXVI.—*Exhibiting by Months, the Relation between the Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1877 and 1878; the Number of Deaths and the Number of Births Returned from which Conceptions are estimated being Corrected as if Enumerated in Months of Occurrence, and Equalized to Months of uniform length.*

Deaths.			Conceptions.[a]		
	Months of 1877 and 1878 of Conceptions of Births in 1878, arranged in order by number of Deaths, least first. Deaths Corrected as if enumerated in months of occurrence, and equalized to months of uniform length.	Number of Deaths, as Corrected and Equalized.		Months of 1877 and 1878 of Conceptions of Births in 1878, estimated from Births Corrected as if enumerated in months of occurrence, and equalized to months of uniform length. Months arranged in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females. Births Corrected and Equalized.[b]
Less than the Average Number of Deaths.	January, 1878	1,272	More than the Average Proportion of Males.	December	114
	June	1,298		September[c]	112
	November	1,346		July	111
	December	1,372		January, 1878	111
	May	1,441		May	110
	July	1,450		November	110
	February, 1878	1,481		October[c]	107
				March, 1878[c]	106
Average		1,524	Average		105
More than the Av. No. of Deaths.	March, 1878	1,532	Less than the Av. Proportion of Males.	June[c]	104
	April	1,534		August	100
	October	1,551		February, 1878[c]	100
	September	1,897		April	71
	August	2,109			

[a] See foot-note [b] to Table XXII, page 63.
[b] Excluding births in unknown month and of unknown sex.
[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

TABLE XXVII.—*Exhibiting by Months, according to the Returns, the Relation between the Total Number of Deaths and the Proportion of each Sex Conceived during the same Months of the Years 1877 and 1878, and Born during the Year ending December 31, 1878.*

Deaths.			Conceptions.[b]		
	Months[a] of 1877 and 1878 of Conceptions of Births in 1878, arranged in order by Number of Deaths, the least first.	Number of Deaths, as Equalized.		Months[a] of 1877 and 1878, in order by number of Males to 100 Females, greatest first.	Number of Males to 100 Females.
Less than the Average Number of Deaths.	January, 1878	717	More than the Average Proportion of Males.	April	117
	February, 1878	858		December[c]	114
	June	888		July	111
	March, 1878	914		September[c]	111
	May	958		January, 1878	111
	April	992		May	110
	July	1,021		November[c]	110
Average		1,059	Average		108
More than the Average Number of Deaths.	November	1,075	Less than the Av. Proportion of Males.	October	107
	December	1,134		March, 1878[c]	106
	October	1,199		June[c]	104
	September	1,421		August	100
	August	1,531		February, 1878[c]	100

[a] Equalized to months of 30.44 days each, excluding unknown month.
[b] See foot-note [b] to Table XXII, page 63.
[c] Exceptions to the proposition that *more* than an average proportion of males were conceived in months in which *less* than an average number of deaths occurred, and *less* than an average proportion of males in months in which *more* than an average number of deaths occurred.

TABLE XXVIII.—*Exhibiting for the Total Births, for the Twins, Illegitimates, and Still-born Children Returned as having been Born in Michigan during the Year 1878; the Number of Boys to 100 Girls among such Children, distinguishing the Parent-Nativities, and thus exhibiting the Influence of Parent-Nativity upon Sex of Children.*

NATIVITY OF PARENTS.		BIRTHS, 1878.[a]		BOYS TO 100 GIRLS.			
		Males.	Females.	Total Births.	Twin Children.	Illegitimates.	Still-births.
All Nativities		18,224	16,871	108.02	92.34	110.75	144.63
Both Parents Native		8,485	7,813	108.60	96.04	.....	137.80
Both Parents Foreign		6,216	5,752	108.07	76.69	.....	156.19
Foreign Father and Native Mother		1,954	1,904	102.63	78.72	.....	119.23
Foreign Mother and Native Father		1,049	907	115.66	163.64	.....	164.28
One or Both Unknown		520	495	105.05	180.00	.....	145.71
Mothers	Native	10,539	9,821	107.31	93.60	126.00	133.55
	Foreign	7,297	6,710	108.75	87.03	54.55	158.33
	Unknown	388	340	114.12	166.67	157.14	146.88
Fathers	Native	9,634	8,828	109.13	103.52	172.73	143.26
	Foreign	8,237	7,717	106.74	79.25	183.33	149.62
	Unknown	353	326	108.28	140.00	102.63	130.30
One or Both Native		11,688	10,836	107.86	100.00	.....	138.46
One or Both Foreign		9,318	8,675	107.41	87.18	.....	152.03
Both Unknown		221	171	129.24	100.00	.....	130.00
Same Country		[b] 14,701	[b] 13,565	[b] 108.37	[c] 89.91	.....	[c] 146.36
Different Countries		[d] 3,003	[d] 2,811	[d] 106.83	[e] 91.75	.....	[e] 136.54
Same American State or Foreign Country		.....	.....	.....	81.43	.....	135.50
Different American States or Foreign Countries		.....	.....	.....	98.44	.....	174.60

[a] Excluding unknown month.
[b] Includes "Native" and "Foreign."
[c] Includes "Native," and same Foreign Country.
[d] Includes "Foreign Father and Native Mother," and "Foreign Mother and Native Father."
[e] Includes "Different Countries," "Foreign Father and Native Mother," and "Foreign Mother and Native Father."

MARRIAGES, 1878.

The year 1878 seems to have been an exceptional one in the large number of marriages returned as having been solemnized in this State. According to the first returns of marriages to the State Department for the year 1878, there were 12,221 marriages solemnized in Michigan in 1878, which is the largest number included in the first returns for any year; and it is probable that this number will be increased by the returns for subsequent years to about 13,000 marriages, inasmuch as the returns for every year contain many marriages which were solemnized in years previous to that for which the general returns are made, these marriages having been omitted when they should have been returned.

The average number of marriages in Michigan in 1878, for each of certain specified periods of time, including marriages in unknown month, is as follows:

Average number per quarter	3,055.25
Average number per month	1,018.42
Average number per week	235.02
Average number per day	33.48

Table I. shows the number and per cent. of marriages in each quarter of each of the years 1873-1878. The largest per cent. is shown for the last quarter of each year. In this table the number for each year is corrected for additional returns of marriages since the compilation for these years, respectively, was made.

In Exhibit A the number of marriages is shown as originally returned, compiled, and published. A comparison of this exhibit with Table I. will show the number of marriages returned for each year since the first general returns for these years.

TABLE I.—*Marriages by Quarters of the Year, showing Number and Per Cent. in each Quarter of the Year for each of the Years 1873, 1874, 1875, 1876, 1877, and 1878, Corrected for Additional Returns, up to December 20, 1879.*

Totals, and Months with which Quarters End.	1873.		1874.		1875.		1876.		1877.		1878.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	11,897	100.00	12,247	100.00	11,798	100.00	11,803	100.00	11,655	100.00	12,221	100.00
March	2,680	22.53	2,943	24.03	2,584	21.90	2,695	22.83	2,683	23.02	2,901	23.74
June	2,707	22.75	2,596	21.20	2,651	22.47	2,619	22.19	2,511	21.55	2,606	21.32
September	3,029	25.46	2,933	23.95	2,767	23.45	2,844	24.10	2,779	23.84	2,906	23.78
December	3,475	29.21	3,764	30.73	3,794	32.16	3,639	30.83	3,671	31.50	3,798	31.08
Unknown	6	.05	11	.09	2	.02	6	.05	11	.09	10	.08
Average [a]	2,974	25.00	3,062	25.00	2,950	25.00	2,951	25.00	2,914	25.00	3,055	25.00

[a] Including unknown quarter.

EXHIBIT A.—*Marriages by Quarters of the Year, showing number and Per Cent. in each Quarter of the Year, for each of the Years 1873, 1874, 1875, 1876, 1877, and 1878, as Originally Returned and published in Reports.*

Totals, and Months with which Quarters End.	1873.		1874.		1875.		1876.		1877.		1878.	
	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.	Number.	Per Cent.
Totals	10,574	100.00	11,041	100.00	11,055	100.00	10,858	100.00	11,009	100.00	12,221	100.00
March	2,580	24.39	2,832	25.65	2,519	22.79	2,599	23.94	2,633	23.92	2,901	23.74
June	2,578	24.38	2,483	22.49	2,557	23.13	2,474	22.79	2,422	22.00	2,606	21.32
September	2,774	26.23	2,713	24.57	2,625	23.74	2,677	24.65	2,646	24.03	2,906	23.78
December	2,637	24.94	3,003	27.20	3,353	30.33	3,105	28.60	3,298	29.96	3,798	31.08
Unknown	5	.05	10	.09	1	.01	3	.03	10	.09	10	.08
Average [a]	2,644	25.00	2,760	25.00	2,764	25.00	2,715	25.00	2,752	25.00	3,055	25.00

[a] Including unknown quarter.

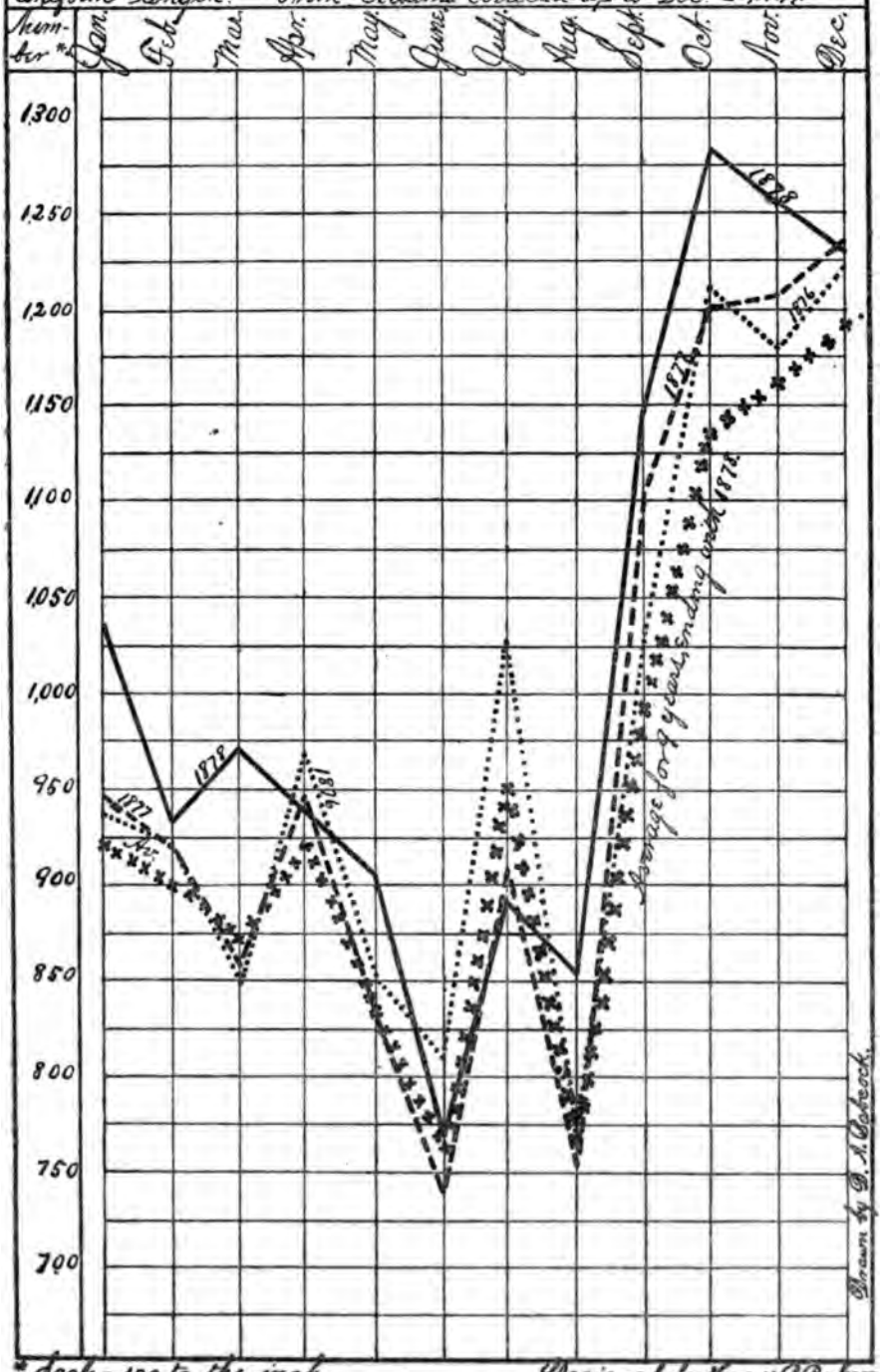
In Exhibit B the number of marriages is shown for each of the years 1874–1878, by months, as returned, and as equalized to uniform length. In 1878, October shows the largest number of marriages, and August the least.

EXHIBT B.—*Marriages in Michigan during the Years 1874 to 1878, inclusive, Corrected, for additional returns, up to December 20, 1879, and Equalized to Months of 30.44 days each.*

	Year.	Total.	Months.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Marriages as returned	1874	12,247	996	979	968	965	844	787	1,011	874	1,048	1,164	1,241	1,359	11
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length.		+14	-18	+85	-17	+14	-15	+12	-18	-16	+15	-21	+18	-25	.....
Marriages, equalized to months of uniform length		12,261	978	1,064	951	979	829	799	993	858	1,063	1,143	1,259	1,334	11
Marriages as returned	1875	11,798	866	805	913	934	905	812	991	793	983	1,262	1,233	1,299	2
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+2	-16	+70	-16	+14	-16	+12	-18	-14	+14	-23	+18	-23	.....
Marriages, equalized to months of uniform length		11,800	850	875	897	948	889	824	973	779	997	1,239	1,251	1,276	2
Marriages as returned	1876	11,803	953	877	865	954	868	797	1,047	785	1,012	1,234	1,161	1,244	6
Days and hundredths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+1.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+24	-17	+44	-16	+14	-16	+12	-19	-14	+15	-22	+17	-22	.....
Marriages, equalized to months of uniform length		11,779	936	921	849	968	852	809	1,028	771	1,027	1,212	1,178	1,222	6
Marriages as returned	1877	11,655	963	848	872	933	849	729	925	767	1,087	1,223	1,190	1,258	11
Days and hundreths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+8	-17	+74	-16	+14	-15	+11	-17	-14	+16	-22	+17	-23	.....
Marriages, equalized to months of uniform length		11,663	946	922	856	947	834	740	908	753	1,103	1,201	1,207	1,235	11
Marriages as returned	1878	12,221	1,055	856	990	926	922	758	907	870	1,129	1,307	1,238	1,253	10
Days and hundreths by which the months should be increased or diminished to equalize them to uniform length.		.....	-.56	+2.44	-.56	+.44	-.56	+.44	-.56	-.56	+.44	-.56	+.44	-.56	.....
Number by which the marriages should be increased or diminished to equalize them to months of uniform length..		+2	-19	+75	-18	+14	-17	+11	-16	-16	+17	-24	+18	-23	.....
Marriages, equalized to months of uniform length		12,223	1,036	931	972	940	905	769	891	854	1,146	1,283	1,256	1,230	10

Diagram No 2.

Marriages in Michigan during the Years 1876, 1877, and 1878, and Average for 9 Years, ending with 1878, by months equalized to uniform length. From Returns corrected up to Dec 20, 1879.



* Scale = 100 to the inch

Designed by Henry A. Baker

TABLE II.—*Marriages Returned as having been solemnized in Michigan, by Months, Arranged in Order by Number, Months having the greatest number first, for the Years 1875, 1876, 1877, and 1878, Corrected, for additional returns, up to December 20, 1879.*

Order.	1875.			1876.			1877.			1878.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total	11,798	100.00	Total	11,803	100.00	Total	11,655	100.00	Total	12,221	100.00
1	Dec.	1,299	11.01	Dec.	1,244	10.54	Dec.	1,258	10.79	Oct.	1,307	10.70
2	Oct.	1,262	10.70	Oct.	1,234	10.45	Oct.	1,223	10.49	Dec.	1,253	10.25
3	Nov.	1,233	10.45	Nov.	1,161	9.84	Nov.	1,190	10.21	Nov.	1,238	10.13
4	July	991	8.40	July	1,047	8.87	Sept.	1,087	9.33	Sept.	1,129	9.24
5	Sept.	983	8.33	Sept.	1,012	8.58	Jan.	963	8.26	Jan.	1,055	8.63
6	Apr.	934	7.92	April	954	8.08	April	933	8.01	Mar.	990	8.10
7	Mar.	913	7.74	Jan.	953	8.08	July	925	7.94	April	926	7.58
8	May	905	7.67	Feb.	877	7.43	Mar.	872	7.48	May	922	7.55
9	Jan.	866	7.34	May	868	7.35	May	849	7.28	July	907	7.42
10	June	812	6.88	Mar.	865	7.33	Feb.	848	7.28	Aug.	870	7.12
11	Feb.	805	6.82	June	797	6.75	Aug.	767	6.58	Feb.	856	7.00
12	Aug.	793	6.72	Aug.	785	6.65	June	729	6.26	June	758	6.20
	Unk.	2	.02	Unk.	6	.05	Unk.	11	.09	Unk.	10	.08
	Aver'ge[a]	983	8.33	Aver'ge[a]	984	8.33	Aver'ge[a]	971	8.33	Aver'ge[a]	1,018	8.33

[a] Includes those for unknown month.

TABLE III.—*Distinguishing, by Counties and by Months, the number of Marriages returned as having been solemnized in Michigan during the Year ending December 31, 1878.*

STATE AND COUNTIES.	Year, 1878.	Months, 1878.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
STATE	12,221	1,055	856	990	926	922	758	907	870	1,129	1,307	1,238	1,253	10
Alcona	6	.....	.....	.....	.....	.....	.....	1	.....	2	1	1	1	.....
Allegan	275	22	18	24	27	16	16	18	23	20	25	31	35	.....
Alpena	54	1	3	1	4	7	3	3	6	7	5	7	7	.....
Antrim	32	1	1	6	3	2	.....	1	2	3	2	7	4	.....
Baraga	7	.....	.....	.....	.....	1	1	1	.....	.....	1	.....	3	.....
Barry	212	16	21	19	16	11	11	16	16	20	29	17	20	.....
Bay	246	21	19	22	15	21	11	26	24	28	20	23	16	.....
Benzie	21	.....	2	.....	.....	1	1	2	2	5	3	3	2	.....
Berrien	422	31	22	34	28	31	20	39	29	56	34	48	49	1
Branch	310	29	16	30	25	21	18	24	20	32	31	39	25	.....
Calhoun	321	40	28	30	20	19	20	14	21	29	40	26	34	.....
Cass	202	17	19	21	21	12	13	13	13	16	15	17	24	1
Charlevoix	29	.....	.....	3	5	2	.....	3	2	3	2	2	2	.....
Cheboygan	40	3	1	3	.....	4	4	2	3	3	6	8	3	.....
Chippewa	12	.....	.....	.....	.....	1	1	1	2	2	1	1	3	.....
Clare	16	3	1	3	3	1	.....	.....	2	.....	1	2	.....	.....
Clinton	228	20	25	17	17	21	11	9	15	13	29	21	30	.....
Delta	43	5	1	.....	.....	3	5	4	2	4	4	9	6	.....
Eaton	266	16	21	26	19	20	9	22	21	22	29	28	33	.....
Emmet	55	10	3	1	3	5	5	6	7	5	3	5	2	.....
Genesee	391	37	32	34	23	20	22	38	25	40	53	26	41	.....
Gladwin	4	.....	1	.....	.....	1	.....	.....	.....	.....	.....	1	1	.....
Gr. Traverse	52	6	2	2	5	5	6	3	4	3	6	2	8	.....
Gratiot	133	15	7	11	9	7	6	8	6	13	17	18	16	.....
Hillsdale	371	27	31	32	22	17	30	23	27	35	48	43	36	.....
Houghton	159	15	16	18	13	15	9	14	12	10	16	13	8	.....
Huron	120	11	12	13	7	7	11	3	8	11	13	13	11	.....
Ingham	395	34	29	23	21	27	32	30	26	33	64	33	42	
Ionia	276	27	16	12	25	18	20	16	30	26	32	26	28	.....
Iosco	46	3	3	4	1	3	2	5	6	6	6	5	2	.....
Isabella	56	4	6	3	5	2	4	2	4	4	7	10	4	1
Isle Royal[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Jackson	358	35	21	25	32	31	19	34	20	29	33	41	38	.....
Kalamazoo	302	25	23	31	26	27	14	23	14	34	33	22	30	.....

[a] No returns from county clerk.

TABLE III.—CONTINUED.—*Marriages by Counties, by Months.*

COUNTIES.	Year, 1878.	Months, 1878.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Kalkaska	30	3	1	2	5	3	------	5	------	------	2	4	5	------
Kent	579	50	38	46	53	36	38	39	50	56	51	58	64	------
Keweenaw	26	1	4	4	2	3	------	2	4	1	2	1	2	------
Lake	16	2	------	1	3	1	3	1	------	2	1	------	2	------
Lapeer	229	17	17	18	22	15	13	14	16	23	25	27	22	------
Leelanaw	27	4	------	------	5	5	2	6	1	2	2	------	------	------
Lenawee	405	38	33	38	26	31	17	23	35	28	43	54	40	------
Livingston	136	12	12	14	10	9	7	5	8	12	17	16	12	------
Mackinac	23	5	2	2	2	2	1	------	1	3	3	1	3	------
Macomb	233	27	16	18	16	17	14	13	16	19	25	22	30	------
Manistee	75	2	------	8	4	5	9	13	4	4	7	9	10	------
Manitou	11	1	1	------	1	1	------	1	------	4	1	1	------	------
Marquette	96	7	5	8	6	6	14	12	6	9	13	2	8	------
Mason	71	7	2	4	13	8	4	6	3	11	8	2	3	------
Mecosta	102	8	4	9	13	11	6	12	3	11	4	10	11	------
Menominee	35	2	------	2	3	5	2	5	6	2	6	2	------	------
Midland	54	12	3	4	3	------	4	8	4	4	5	4	3	------
Missaukee	6	------	------	------	1	1	------	2	------	------	1	1	------	------
Monroe	305	25	38	27	28	23	29	14	20	24	24	25	28	------
Montcalm	233	11	14	25	22	12	18	13	13	29	29	24	23	------
Muskegon	161	13	9	11	14	14	10	10	13	11	22	15	19	------
Newaygo	76	5	7	8	4	4	9	7	6	8	8	7	3	------
Oakland	301	33	25	33	24	11	17	20	9	23	29	40	35	2
Oceana	81	11	5	6	9	5	6	8	3	6	8	7	7	------
Ogemaw	3	------	------	------	------	------	------	1	1	1	------	------	------	------
Ontonagon	10	------	------	------	------	1	1	1	1	2	2	2	------	------
Osceola	75	5	5	5	8	8	4	7	5	5	11	6	6	------
Otsego	7	------	------	2	------	1	1	------	------	------	2	------	1	------
Ottawa	216	11	16	22	16	17	6	20	20	26	19	19	23	1
Presque I'l	4	------	1	------	------	------	1	1	------	------	------	1	------	------
Roscommon	3	1	------	1	1	------	------	------	------	------	------	------	------	------
Saginaw	371	37	25	29	24	39	23	31	26	24	33	35	45	------
Sanilac	152	12	5	15	10	12	13	13	7	10	23	13	19	------
Schoolcraft	9	1	------	------	2	2	------	2	1	1	------	------	------	------
Shiawassee	165	9	12	7	9	12	14	8	19	17	17	25	16	------
St. Clair	299	29	15	26	23	26	13	21	22	23	35	29	37	------
St. Joseph	314	23	25	28	25	18	20	18	15	28	32	41	41	------

TABLE III.—CONTINUED.—*Marriges by Counties, by Months.*

COUNTIES.	Year, 1878.	MONTHS, 1878.												
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Tuscola	189	12	17	15	12	23	6	23	13	14	22	19	13	.....
Van Buren	268	17	22	24	18	14	11	15	25	35	28	28	30	1
Washtenaw	266	35	17	22	21	22	14	19	18	19	23	27	28	1
Wayne	1,049	82	57	54	70	116	84	75	81	112	111	109	97	1
Wexford	46	10	1	4	3	4	.....	9	3	1	4	4	3	.....

The number of marriages, and the number of persons married in Michigan in 1878, by color, are shown in Table IV. It may be seen that 97.95 per cent. of all the persons married were white, and only .32 per cent. were mulatto. According to this table, 54 persons married those of another color.

TABLE IV.—*Exhibiting, by Color and by Sex, the Number of Marriages, and the Number and Per Cent. of Total Number of Persons Married in Michigan during the Year 1878.*

COLOR,—1878.	SEX.	Number of Marriages, 1878.	PERSONS MARRIED, 1878.		Number of Persons who Married those of another Color.
			Number.	Per Cent. of Total.	
All Colors	Total	12,221	24,442	100.00	54
	Males	.....	12,221	50.00	27
	Females	.....	12,221	50.00	27
White	Total	11,953	23,931	97.91	16
	Males	.....	11,978	49.01	9
	Females	.....	11,953	48.90	7
Black	Total	79	151	.62	13
	Males	.....	79	.32	10
	Females	.....	72	.29	3
Mulatto	Total	38	79	.32	13
	Males	.....	38	.16	4
	Females	.....	41	.17	9
Indian	Total	53	110	.45	12
	Males	.....	53	.22	4
	Females	.....	57	.23	8
One or Both Unknown	Total	98	171	.70	.....
	Males	.....	73	.30	.....
	Females	.....	98	.40	.....
Black and Mulatto	Total	117	230	.94	26
	Males	.....	117	.48	14
	Females	.....	113	.46	12

TABLE V.—*Exhibiting for the State and Counties, the Number of Marriages Returned as having been Solemnized in Michigan during the Year 1878, the Number of White Persons, and by Color the Number of Marriages where one or both parties were other than White.*

STATE AND COUNTIES.	Marriages, 1878.	Color of Persons Married, 1878, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. Male White.	Male Unk. Female White.	Both Unknown.
State	12,221	[a] 11,953	[b] 79	[c] 38	[d] 53	25	2	[e] 71
Alcona	6	6						
Allegan	275	[f] 272	1	1		1		
Alpena	54	54						
Antrim	32	32						
Baraga	7	5			[g] 2			
Barry	212	211				1		
Bay	246	242	1	1	[h] 2			
Benzie	21	20		1				
Berrien	422	413	[i] 7	[j] 1		1		
Branch	310	309	1					
Calhoun	321	309	[k] 2		[l] 1	3	2	4
Cass	202	185	[m] 6	[n] 7		2		[o] 2
Charlevoix	29	27			2			
Cheboygan	40	[o] 38			[p] 2			
Chippewa	12	10			2			
Clare	16	16						
Clinton	228	228						
Delta	43	43						

[a] Includes 6 couples male White, female White and Indian, 2 couples male White, female Mulatto; 1 couple male White, female Indian, 1 couple, male "Light," female White, and 1 couple "Light."

[b] Includes 19 couples "African," 17 couples "Colored," 7 couples male Black, female Mulatto, 2 couples "African and Indian," 1 couple male Black, female White, 1 couple male "African," female White, 1 couple male "Colored," female unknown, 1 couple "Dark," and 1 couple male Black, female White and Indian.

[c] Includes 3 couples male "Brown," female "Dark," 2 couples male "Brown," female Mulatto, 1 couple male Mulatto, female White, 1 couple male Mulatto, female Black, 1 couple Mulatto and Indian, 1 couple male "Brown," female Black, 1 couple male Mulatto, female Black, 2 couples male Mulatto, female unknown, and 2 couples "Brown."

[d] Includes 2 couples male "Half-breed," female Indian, 1 couple male "Half-breed," female White, 1 couple male Mexican and Indian, female White, 1 couple male Indian, female White and Indian, 1 couple male Indian, female White, 1 couple "Half-breed," 2 couples White and Indian, 1 couple male White and Indian, female White, 1 couple male "¼ Breed Indian," female "⅜ Breed Indian," 1 couple male "½ Breed Indian," female "¼ Breed Indian," and 1 couple "Red."

[e] Includes 1 couple male unknown, female Black.

[f] Includes 1 couple male White, female Indian.

[g] Includes 1 couple male "Half-breed," female Indian.

[h] Includes 1 couple male "Half-breed," female White.

[i] Includes 1 couple "Colored," and 2 couples male Black, female White.

[j] Includes 1 couple male Mulatto, female Black.

[k] Includes 1 couple "African."

[l] Includes 1 couple male Mexican and Indian, female White.

[m] Includes 2 couples "African and Indian," 2 couples "African," and 1 couple male Black, female Mulatto.

[n] Includes 1 couple Mulatto and Indian.

[o] Includes 1 couple male White, female White and Indian.

[p] Includes 1 couple male Indian, female White and Indian.

TABLE V.—CONTINUED.—*Marriages in 1878, by Counties, by Color.*

COUNTIES.	Marriages, 1878.	Color of Persons Married, 1878, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. Male White.	Male Unk. Female White.	Both Unknown.
Eaton	266	264				1		1
Emmet	55	38			[a] 17			
Genesee	391	391						
Gladwin	4	4						
Grand Traverse	52	52						
Gratiot	133	[b] 133						
Hillsdale	371	371						
Houghton	159	159						
Huron	120	120						
Ingham	395	391	[c] 4					
Ionia	276	276						
Iosco	46	44	[d] 1	1				
Isabella	56	53				2		1
Isle Royal [e]								
Jackson	358	355	[f] 2	1				
Kalamazoo	302	294	[g] 4	2				2
Kalkaska	30	30						
Kent	579	568	[h] 3	[i] 2		2		4
Keweenaw	26	25						1
Lake	16	16						
Lapeer	229	226			3			
Leelanaw	27	25			2			
Lenawee	408	407	1					
Livingston	135	135						
Mackinac	25	[j] 22			[k] 3			
Macomb	233	233						
Manistee	75	75						
Manitou	11	11						
Marquette	96	95		1				
Mason	71	66			5			
Mecosta	102	98	[d] 4					

[a] Includes 1 couple male Indian, female White, 1 couple male "Half Indian," female Indian, and 1 couple "Half-breed."
[b] Includes 1 couple male "Light," female White.
[c] Includes 1 couple male Black, female Mulatto, 1 couple "Dark," and 1 couple male Black, female White.
[d] Includes 1 couple "African."
[e] No returns from county clerk.
[f] Includes 2 couples "Colored."
[g] Includes 1 couple male Black, female White and Indian.
[h] Includes 1 couple "Colored."
[i] Includes 1 couple male Mulatto, female White.
[j] Includes 4 couples male White, female White and Indian.
[k] Includes 1 couple male White and Indian, female White, and 2 couples White and Indian.

TABLE V.—CONTINUED.—*Marriages in 1878, by Counties, by Color.*

COUNTIES.	Marriages, 1878.	Color of Persons Married, 1878, Stated by Couples.						
		White.	Black.	Mulatto.	Indian.	Female Unk. / Male White.	Male Unk. / Female White.	Both Unknown.
Menominee	35	35						
Midland	54	53	[a] 1					
Missaukee	6	6						
Monroe	305	305						
Montcalm	233	190				1		42
Muskegon	161	[b] 161						
Newaygo	76	75				1		
Oakland	301	298	[c] 1			2		
Oceana	81	77			4			
Ogemaw	3	3						
Ontonagon	10	8			[d] 2			
Osceola	75	75						
Otsego	7	7						
Ottawa	216	214	[e] 1		1			
Presque Isle	4	4						
Roscommon	3	3						
Saginaw	371	368	1		2			
Sanilac	152	152						
Schoolcraft	9	8			[f] 1			
Shiawassee	165	164	1					
St. Clair	299	292		1		3		3
St. Joseph	314	[g] 314						
Tuscola	189	188			1			
Van Buren	268	265		2				1
Washtenaw	266	249	[h] 5	[i] 9		3		
Wayne	1,049	[j] 996	[k] 32	[l] 8	1	2		10
Wexford	46	46						

[a] Includes 1 couple male "African," female White.
[b] Includes 1 couple male White, female White and Indian.
[c] Includes 1 couple "African."
[d] Includes 1 couple male "¼ Breed Indian," female "¼ Breed Indian," and 1 couple male "¼ Breed Indian," female "¼ Breed Indian."
[e] Includes 1 couple male Black, female White and Indian.
[f] Includes 1 couple "Red."
[g] Includes 1 couple male White, female Mulatto.
[h] Includes 1 couple "African," and 2 couples male Black, female Mulatto.
[i] Includes 2 couples male "Brown," female "Dark," 1 couple male "Brown," female Mulatto, 1 couple male "Brown," female Black, and 1 couple male Mulatto, female "Maltese."
[j] Includes 1 couple "Light," and 1 couple male White, female Mulatto.
[k] Includes 12 couples "African," 12 couples "Colored," 1 couple male Black, female Mulatto, and 1 couple male "Colored," female unknown.
[l] Includes 2 couples "Brown," 1 couple male "Brown," female Mulatto, 1 couple male "Brown," female "Very Dark," and 2 couples male Mulatto, female unknown.

Exhibit 1 shows the number of persons of each sex of each nativity married in Michigan in 1878, and how they were united to the opposite sex, and the per cent. of brides and of bridegrooms of each nativity. Of the native-born persons married, there was an excess of the proportion of females over the proportion of males for each of the years 1873–1878, the average excess of females for these six years being five per cent.; and of the foreign-born persons married, there was an excess of the proportion of males over the proportion of females for each of the years 1873–1878, the average excess of males for these six years being 5.85 per cent.; that is, there were married more native-born females than native-born males, and more foreign-born males than foreign-born females. The number of native-born females who married foreign-born males is greater than the number of foreign-born females who married foreign-born males; that is, the foreigh-born males who were married in this State in 1878 married more native-born females than foreign-born females.

EXHIBIT 1.—*By Nativity, the Number and Per Cent. of Brides and of Bridegrooms Returned as having been married in Michigan during the Year ending December 31, 1878, and by number, the manner of their Union by Nativities.*

BRIDEGROOMS AND BRIDES, NATIVITY SPECIFIED.		Brides, 1878.			Bridegrooms, 1878.	
		Native.	Foreign.	Unknown.	Total of each Nativity, and of all Nativities.	Per Cent. of each Nativity.
Bridegrooms	Native	7,801	943	116	8,860	72.50
	Foreign	1,647	1,550	30	3,227	26.40
	Unknown	42	8	84	134	1.10
Brides	Whole No. of each nativity and total	9,490	2,501	230	12,221	.....
	Per cent. of each nativity and total	77.65	20.47	1.88	.....	100.00

TABLE VI.—*Exhibiting, by Sex, the Nativity of Persons returned as having been Married in Michigan during the Year 1878.*

NATIVITY.	MARRIAGES, 1878.		PERSONS MARRIED, 1878.		
	Number.	Per Cent. of Total.	Number.		
			Total.	Males.	Females.
Total	12,221	100.00	24,442	12,221	12,221
Native	7,801	63.83	18,350	8,860	9,490
Foreign	1,550	12.68	5,728	3,227	2,501
Foreign Male and Native Female	1,647	13.48	.....	.....	.....
Foreign Female and Native Male	943	7.72	.....	.....	.....
Unknown	a 280	2.29	364	134	230
One or Both Native	10,549	86.32	.....	.....	.....
One or Both Foreign	4,178	34.19	.....	.....	.....

a Includes cases where nativity of either person was unknown.

The average age of persons married in Michigan in each of the years 1875–1878, by sex, and by nativity for each of the years, is shown in Exhibit C. Judging from the evidence in this exhibit, the average age of the males who marry in this State is about 28 years, and that of the females is about 23 years, the general difference between the ages being about five years. It may be seen that the average age of the native-born persons who marry in this State is about two years less than that of the foreign-born persons, as shown for each sex.

EXHIBIT C.—*Showing the Average Age of Persons Married in Michigan in 1875, 1876, 1877, and 1878, according to the Returns.*

NATIVITY OF PERSONS MARRIED.	1875.		1876.		1877.		1878.	
	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
All nativities	27.91	22.90	28.19	23.05	28.25	23.06	28.01	22.91
Native	27.69	22.54	27.64	22.53	27.76	22.59	27.46	22.54
Foreign	28.45	24.21	29.54	24.82	29.53	24.63	29.51	24.28
Unknown	27.28	20.91	27.94	23.32	27.75	24.36	28.82	23.62

The number of males and of females, and the total of both sexes, married in Michigan in 1878, at each age and period of age, is shown in Table VII, also the proportion of males and of females married at the different periods of life. A larger proportion of each sex is shown for the period between the ages of 21 and 25 years, than for any other period. At the period of 25 to 30 years the proportion of the sexes is nearly equal.

TABLE VII.—*By Sex, Age, and Periods of Age, the Number of Persons Returned as having been Married in Michigan during the Year 1878; the Per Cent. of Total Number of Persons Married at each Age and Period of Age, and the Per Cent. of each Sex at each Age and Period of Age.*

AGES IN YEARS AND PERIODS.	MARRIAGES, 1878.						
	Total Number of Persons Married.	MALES.			FEMALES.		
		Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.	Number Married.	Per Cent. of Total Marriages.	Per Cent. of Persons Married at Corresponding Ages.
All ages	24,442	12,221	100.00	50.00	12,221	100.00	50.00
13	4	----------	----------	----------	4	.03	100.00
14	35	----------	----------	----------	35	.28	100.00
15	122	----------	----------	----------	122	1.00	100.00
16	712	1	.01	.14	711	5.82	99.86
17	987	9	.07	.91	978	8.00	99.09
18	1,523	91	.75	5.98	1,432	11.72	94.02
19	1,571	248	2.03	15.79	1,323	10.83	84.21
20	1,942	556	4.55	28.63	1,386	11.34	71.37
21 to 25	7,710	4,490	36.74	58.24	3,220	26.35	41.76
25 to 30	5,006	3,613	29.56	72.17	1,393	11.40	27.83
30 to 35	1,879	1,301	10.65	69.24	578	4.73	30.76
35 to 40	1,084	715	5.85	65.96	369	3.02	34.04
40 to 45	592	374	3.06	63.18	218	1.78	36.82
45 to 50	369	227	1.86	61.52	142	1.16	38.48
50 to 55	287	186	1.52	64.81	101	.83	35.19
55 to 60	186	120	.98	64.52	66	.54	35.48
60 to 65	154	116	.95	75.32	38	.31	24.68
65 to 70	90	71	.58	78.89	19	.15	21.11
70 to 75	41	36	.29	87.80	5	.04	12.20
75 to 80	15	13	.11	86.67	2	.02	13.33
80 and over	3	3	.02	100.00	----------	----------	----------
Unknown	130	51	.42	39.23	79	.65	60.77
Under 15	39	----------	----------	----------	39	.32	100.00
15 to 20	4,915	349	2.86	7.10	4,566	37.36	92.90
20 to 25	9,652	5,046	41.29	52.28	4,606	37.69	47.72

TABLE VIII.—*Exhibiting for the State and Counties, by Sex, the Nativity and Age in Periods of Years, of Persons Returned as having been Married in Michigan during the year ending December 31, 1878.*

STATE AND COUNTIES.	Number of Couples Married, 1878.	Nativity of Persons Married, 1878, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1878.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
STATE	12,221	7,801	1,550	1,647	943	a 116	b 30	c 42	d 8	e 84	Males	349	5,046	3,613	1,301	715	374	227	186	120	116	71	36	13	3	51
											Females	4,605	4,606	1,393	578	369	218	142	101	66	38	19	5	2	----	79
Alcona	6	5	----	1	----	----	----	----	----	----	Males	----	2	3	----	----	1	----	----	----	----	----	----	----	----	----
											Females	5	----	1	----	----	----	----	----	----	----	----	----	----	----	----
Allegan	275	213	22	25	14	----	f 1	----	----	----	Males	5	112	77	34	19	6	8	4	2	2	5	1	----	----	----
											Females	101	106	25	16	6	7	4	5	2	1	2	----	----	----	----
Alpena	54	10	25	10	9	----	----	----	----	----	Males	----	14	26	8	----	5	----	1	----	----	----	----	----	----	----
											Females	21	20	7	4	1	1	----	----	----	----	----	----	----	----	----
Antrim	32	13	9	5	5	----	----	----	----	----	Males	1	9	15	4	----	3	----	----	----	----	----	----	----	----	----
											Females	17	5	4	3	1	----	1	1	----	----	----	----	----	----	----
Baraga	7	3	2	2	----	----	----	----	----	----	Males	----	1	5	1	----	----	----	----	----	----	----	----	----	----	----
											Females	7	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Barry	212	175	4	24	8	1	----	----	----	----	Males	8	90	63	17	11	6	4	3	1	2	3	2	1	----	1
											Females	94	72	20	11	1	4	1	3	3	----	2	----	----	----	1
Bay	246	80	84	41	37	1	1	----	1	1	Males	2	95	80	31	19	10	1	2	4	1	----	----	----	----	1
											Females	102	80	32	11	11	5	2	----	----	1	1	----	----	----	1
Benzie	21	16	1	3	1	----	----	----	----	----	Males	----	8	5	4	3	----	----	----	----	1	----	----	----	----	----
											Females	9	7	2	2	----	----	----	1	----	----	----	----	----	----	----
Berrien	422	335	18	40	14	5	1	3	----	6	Males	10	206	101	40	21	14	8	9	5	5	1	1	----	----	1
											Females	143	169	42	28	19	5	9	2	3	1	----	----	----	----	1
Branch	310	271	9	17	5	7	1	----	----	----	Males	10	158	81	22	14	9	5	4	4	2	1	----	----	----	----
											Females	146	97	35	15	4	3	3	3	2	1	----	----	----	----	1
Calhoun	321	271	13	26	7	1	2	1	----	----	Males	8	143	79	36	16	11	9	7	3	3	3	2	----	----	1
											Females	92	132	48	19	12	7	5	2	1	3	----	----	----	----	----

Cass	202	183	2	8	8	1	----	----	----	----	Males	6	96	53	16	9	10	5	3	----	----	2	----	1	----	
											Females	82	65	26	13	5	4	1	----	1	----	2	1	----	----	2
Charlevoix	29	14	9	2	3	----	----	----	----	1	Males	----	6	9	5	1	3	2	1	2	----	----	----	----	----	----
											Females	15	4	5	2	1	1	----	1	----	----	----	----	----	----	----
Cheboygan	40	12	15	8	5	----	----	----	----	----	Males	2	18	9	3	4	1	----	2	----	1	----	----	----	----	----
											Females	14	20	3	1	----	1	1	----	----	----	----	----	----	----	----
Chippewa	12	5	6	1	----	----	----	----	----	----	Males	----	6	2	1	1	----	1	----	----	----	1	----	----	----	----
											Females	4	6	----	1	----	----	----	----	1	----	----	----	----	----	----
Clare	16	9	3	----	2	1	----	----	----	1	Males	----	10	3	1	1	----	----	1	----	----	----	----	----	----	----
											Females	8	4	2	----	----	----	1	----	----	1	----	----	----	----	----
Clinton	228	175	6	22	20	1	----	3	----	1	Males	10	110	68	15	10	5	2	4	----	3	----	----	----	----	1
											Females	91	95	19	8	5	3	4	----	1	----	----	----	----	----	2
Delta	43	9	22	9	2	----	----	----	----	1	Males	1	10	14	10	4	3	1	----	----	----	----	----	----	----	----
											Females	16	17	8	2	----	----	----	----	----	----	----	----	----	----	----
Eaton	266	238	----	16	12	4	----	----	----	1	Males	14	120	66	26	15	10	2	2	2	6	1	2	----	----	----
											Females	113	96	18	13	12	2	5	3	2	----	1	1	----	----	----
Emmet	55	43	1	5	4	----	----	1	----	1	Males	3	14	19	5	3	1	2	----	1	----	----	2	----	----	5
											Females	24	14	5	3	2	----	----	----	1	----	----	1	----	----	5
Genesee	391	282	16	47	41	3	----	----	----	2	Males	15	170	163	43	15	16	4	10	5	2	4	3	1	----	----
											Females	154	150	33	22	9	10	4	6	----	1	----	1	----	----	1
Gladwin	4	1	----	2	----	----	----	----	----	1	Males	----	3	----	1	----	----	----	----	----	----	----	----	----	----	----
											Females	4	----	----	----	----	----	----	----	----	----	----	----	----	----	----
Gr. Traverse	52	31	6	8	4	1	----	----	1	1	Males	1	31	12	3	3	1	----	----	----	1	----	----	----	----	----
											Females	29	19	2	1	----	----	----	----	1	----	----	----	----	----	----
Gratiot	133	107	5	16	5	----	----	----	----	----	Males	8	64	35	10	4	4	1	2	----	3	1	----	1	----	----
											Females	62	44	12	5	5	1	2	1	----	1	----	----	----	----	----
Hillsdale	371	328	2	11	11	5	----	6	----	8	Males	12	173	96	28	26	6	9	9	3	3	5	----	1	----	----
											Females	127	142	45	19	16	7	4	4	4	----	1	----	----	----	2
Houghton	159	14	101	30	11	----	2	[z] 1	----	----	Males	2	51	62	23	11	9	----	1	----	----	----	----	----	----	----
											Females	56	65	23	8	2	5	----	----	----	----	----	----	----	----	----
Huron	120	24	46	32	15	----	----	1	----	2	Males	5	49	45	9	2	----	1	2	1	3	----	----	----	----	3
											Females	59	38	11	----	1	1	1	1	2	1	----	----	----	----	5
Ingham	395	309	18	43	14	6	----	2	----	[h] 3	Males	13	139	123	37	21	8	9	5	5	5	2	2	----	----	6
											Females	141	155	43	18	11	10	4	3	3	2	----	----	----	----	5

[a] Includes 2 females "America." [b] Includes 2 females "North America." [c] Includes 1 male "North America," and 1 male "America." [d] Includes 2 males "America." [e] Includes 5 couples "America." [f] 1 female "North America." [z] 1 Male "North America." [h] Includes 2 couples "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1878.	Nativity of Persons Married, 1878, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1878.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ionia	276	208	9	36	22	.....	.....	.....	.....	1	Males	7	131	79	20	16	10	2	4	2	1	.....	3		1	.....
											Females	115	99	33	10	4	7	5	2	1	.....	.....	.....		.....	.....
Iosco	46	19	10	4	12	.....	.....	.....	.....	1	Males	1	16	13	10	3	.....	2	.....	.....	.....	1	.....		.....	.....
											Females	15	19	4	3	4	1	.....	.....	.....	.....	.....	.....		.....	.....
Isabella	56	41	4	7	2	.....	.....	.....	.....	2	Males	2	27	18	4	1	.....	.....	1	2	.....	1	.....		.....	.....
											Females	32	14	4	2	1	1	.....	1	.....	.....	.....	.....		.....	1
Isle Royal[a]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Males	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....
											Females	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		.....	.....
Jackson	358	298	7	31	20	2	.....	.....	.....	.....	Males	8	146	105	46	26	8	8	3	3	2	2	.....		.....	.....
											Females	119	138	58	18	12	5	3	3	.....	.....	1	.....		.....	1
Kalamazoo	392	223	24	24	13	13	3	.....	.....	2	Males	3	122	92	30	17	11	6	6	3	6	3	.....	1	.....	2
											Females	88	127	44	12	13	8	2	2	1	2	1	.....		.....	2
Kalkaska	30	16	2	5	6	.....	.....	.....	.....	1	Males	.....	7	11	5	2	3	.....	1	.....	.....	.....	.....		.....	1
											Females	14	10	3	1	1	.....	.....	.....	.....	.....	.....	.....		.....	1
Kent	579	344	78	98	44	6	1	4	1	3	Males	12	235	156	71	40	23	14	6	8	5	3	3	2	.....	1
											Females	201	220	65	31	20	9	9	9	5	5	.....	.....	1	.....	4
Keweenaw	26	4	13	7	1	.....	.....	.....	.....	1	Males	.....	11	8	4	.....	1	1	1	.....	.....	.....	.....		.....	.....
											Females	9	10	4	.....	.....	1	2	.....	.....	.....	.....	.....		.....	.....
Lake	16	11	1	1	1	1	1	.....	.....	.....	Males	1	3	6	3	2	1	.....	.....	.....	.....	.....	.....		.....	.....
											Females	8	5	2	.....	1	.....	.....	.....	.....	.....	.....	.....		.....	.....
Lapeer	229	125	35	43	24	.....	.....	1	[b] 1	.....	Males	10	112	46	20	16	6	5	2	4	.....	2	3		.....	2
											Females	95	88	19	6	9	4	1	1	2	2	.....	.....		.....	2
Leelanaw	27	15	5	5	2	.....	.....	.....	.....	.....	Males	1	15	6	1	1	1	1	1	.....	.....	.....	.....		.....	.....
											Females	17	6	2	1	1	.....	.....	.....	.....	.....	.....	.....		.....	.....

Lenawee....	406	339	14	31	13	6	.....	.....	.....	5	Males....	18	179	95	55	21	8	11	4	6	3	4	2	1	....	1
											Females.	144	152	56	22	15	6	1	5	3	....	2	....	1	....	1
Livingston..	135	104	4	12	11	3	.....	.....	.....	1	Males....	2	60	44	10	4	3	3	2	4	2	....	....	....	1	....
											Females.	47	54	15	8	6	....	3	....	....	1	....	....	....	....	1
Mackinac....	25	16	1	7	1	.....	.....	.....	.....	....	Males....	.....	10	7	4	4	....	....	....	....	....	....	....	....	....	....
											Females.	11	10	4	.....	....	....	....	....	....	....	....	....	....	....	....
Macomb.....	233	119	32	45	35	1	.....	.....	.....	1	Males....	6	95	69	25	19	8	5	2	....	2	....	1	....	....	1
											Females	88	95	26	9	5	4	4	....	....	1	....	....	....	....	1
Manistee....	75	31	27	9	7	1	.....	.....	.....	....	Males....	.....	22	30	9	4	6	3	1	....	....	....	....	....	....	....
											Females.	36	23	6	5	3	1	1	....	....	....	....	....	....	....	....
Manitou.....	11	3	4	2	1	.....	.....	.....	.....	1	Males....	.....	5	1	1	....	1	....	1	....	....	....	....	....	....	2
											Females.	3	4	1	.....	....	1	....	....	....	....	....	....	....	....	2
Marquette..	96	16	54	21	5	.....	.....	.....	.....	....	Males....	2	30	39	14	5	....	3	2	....	....	....	....	....	....	1
											Females.	35	35	10	5	7	1	1	....	1	....	....	....	....	....	1
Mason.....	71	38	12	11	4	3	1	1	.....	1	Males....	.....	18	27	10	6	5	3	2	....	....	....	....	....	....	....
											Females.	31	19	7	6	....	5	2	....	....	....	....	....	....	....	1
Mecosta.....	102	48	18	14	22	.....	.....	.....	.....	....	Males....	1	37	36	15	5	2	2	2	2	....	....	....	....	....	....
											Females.	49	34	5	5	4	1	....	3	1	....	....	....	....	....	....
Menominee..	35	13	11	9	2	.....	.....	.....	.....	....	Males....	1	6	20	6	2	....	....	....	....	....	....	....	....	....	....
											Females.	16	13	4	.....	2	....	....	....	....	....	....	....	....	....	....
Midland.....	54	33	4	11	5	.....	.....	.....	[b] 1	....	Males....	1	22	13	8	2	1	1	1	1	2	1	1	....	....	....
											Females.	25	11	7	4	2	1	....	2	1	....	1	....	....	....	....
Missaukee..	6	3	.....	.....	1	1	1	.....	.....	....	Males....	1	3	1	.....	1	....	....	....	....	....	....	....	....	....	....
											Females.	4	.....	1	.....	....	1	....	....	....	....	....	....	....	....	....
Monroe.....	305	228	16	38	18	5	.....	.....	.....	....	Males....	14	119	79	35	18	9	7	9	5	3	3	3	....	....	1
											Females.	105	121	33	10	12	8	5	2	3	2	2	....	....	....	2
Montcalm...	233	158	21	33	15	2	1	1	.....	2	Males....	17	90	73	25	12	7	3	2	1	1	1	....	....	....	1
											Females.	117	68	24	11	5	4	1	1	1	....	1	....	....	....	....
Muskegon...	161	39	52	23	14	2	.....	.....	.....	1	Males....	.....	41	67	21	15	2	6	4	2	1	1	....	....	....	1
											Females.	55	54	18	13	9	3	4	4	....	....	....	....	....	....	1
Newaygo....	76	53	4	13	6	.....	.....	.....	.....	....	Males....	2	25	31	7	4	1	2	....	3	....	1	....	....	....	....
											Females.	40	22	6	3	2	....	1	....	....	2	....	....	....	....	....
Oakland.....	301	230	13	30	19	3	1	2	1	3	Males....	10	113	100	26	9	9	9	10	5	3	3	....	....	....	4
											Females.	94	125	34	13	10	9	7	2	1	....	....	....	....	....	6

[a] No returns from county clerk. [b] 1 Male "America."

TABLE VIII.—CONTINUED.—*Marriages by Counties, Nativity, and Periods of Age.*

COUNTIES.	Number of Couples Married, 1878.	Nativity of Persons Married, 1878, Stated by Couples.									Sex Stated.	Marriages at Different Ages, Stated in Periods of Years, 1878.														
		Both Native.	Both Foreign.	Foreign Males, Native Females.	Foreign Females, Native Males.	Females Unknown. Males. Native.	Females Unknown. Males. Foreign.	Males Unknown. Females. Native.	Males Unknown. Females. Foreign.	Both Unknown.		Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Oceana	81	57	7	12	5	.....	.....	.....	.....	....	Males	3	37	27	3	3	5	1	1	1	....	....	....	....	....	....
											Females	46	21	7	2	3	1	....	1	....	....	....	....	....	....	....
Ogemaw	3	.....	1	1	.....	1	.....	.....	.....	....	Males	1	.....	.....	2	....	....	....	....	....	....	....	....	....	....	....
											Females	2	1	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Ontonagon	10	7	.....	2	.....	.....	a 1	.....	.....	....	Males	.....	3	5	1	....	1	....	....	....	....	....	....	....	....	....
											Females	5	5	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Osceola	75	42	12	6	13	1	.....	1	.....	....	Males	4	28	26	6	5	2	...	2	....	....	1	....	....	....	1
											Females	34	26	7	2	3	2	....	....	....	....	....	....	....	....	1
Otsego	7	2	.....	.....	4	1	.....	.....	.....	....	Males	.....	1	1	2	2	....	....	....	....	1	....	....	....	....	....
											Females	3	.....	1	2	1	....	....	....	....	....	....	....	....	....	....
Ottawa	216	109	40	42	17	2	.....	1	.....	b 5	Males	9	89	62	19	8	10	3	3	4	4	2	1	1	....	1
											Females	81	79	22	9	6	6	5	2	1	1	....	1	....	....	3
Presque I.	4	.....	4	.....	.....	.....	.....	.....	.....	....	Males	.....	2	.....	1	1	....	....	....	....	....	....	....	....	....	....
											Females	1	1	2	.....	....	....	....	....	....	....	....	....	....	....	....
Roscommon	3	2	.....	.....	1	.....	.....	.....	.....	....	Males	.....	1	1	.....	1	....	....	....	....	....	....	....	....	....	....
											Females	1	1	1	.....	....	....	....	....	....	....	....	....	....	....	....
Saginaw	371	157	84	83	47	.....	.....	.....	.....	....	Males	10	148	111	45	28	10	7	3	3	4	....	1	....	....	1
											Females	150	138	44	12	11	9	2	2	1	....	....	....	....	....	2
Sanilac	152	24	67	43	18	.....	.....	.....	.....	....	Males	1	67	44	17	12	5	2	1	2	1	....	....	....	....	....
											Females	66	56	10	1	3	....	4	2	....	....	....	....	....	....	....
Schoolcraft	9	4	1	3	1	.....	.....	.....	.....	....	Males	.....	2	4	2	1	....	....	....	....	....	....	....	....	....	....
											Females	3	3	1	.....	2	....	....	....	....	....	....	....	....	....	....
Shiawassee	165	121	12	17	12	1	.....	.....	.....	2	Males	9	69	47	12	6	6	6	5	1	3	....	1	....	....	....
											Females	75	52	15	6	6	7	....	2	1	1	....	....	....	....	....
St. Clair	299	95	75	75	47	1	2	2	....	2	Males	7	119	95	33	24	8	4	3	3	3	....	....	....	....	....
											Females	104	138	28	9	9	7	1	1	2	....	....	....	....	....	....

St. Joseph...	314	258	13	28	8	2	.....	.....	.....	5	Males....	14	136	90	31	15	9	2	8	2	5	----	----	----	----	2
											Females.	120	123	37	17	4	4	5	----	1	1	----	----	----	----	2
Tuscola.....	189	85	31	47	26	.....	.....	.....	.....	----	Males....	3	87	59	13	7	5	3	3	4	2	2	----	1	----	----
											Females.	98	53	16	6	6	2	4	1	1	2	----	----	----	----	----
Van Buren..	268	234	.....	19	13	2	.....	.....	.....	----	Males....	9	118	77	20	15	7	5	7	2	5	2	1	----	----	----
											Females.	97	111	29	6	7	5	4	2	4	2	----	----	----	----	1
Washtenaw	266	185	18	42	16	2	.....	.....	.....	3	Males....	5	102	93	28	13	4	3	5	1	5	3	----	----	----	4
											Females.	68	130	35	11	8	----	3	4	1	1	----	----	----	----	5
Wayne.....	1,049	412	260	195	130	[c] 18	10	[d] 11	2	[e] 11	Males....	18	387	370	142	84	33	20	6	8	9	6	1	----	1	4
											Females.	272	459	158	71	28	17	10	11	7	2	2	----	----	----	12
Wexford....	46	31	5	8	2	.....	.....	.....	.....	----	Males....	.....	22	15	6	2	1	----	----	----	----	----	----	----	----	----
											Females.	30	11	4	1	----	----	----	----	----	----	----	----	----	----	----

[a] 1 female "North America." [b] Includes 2 couples "America." [c] Includes 2 females "America." [d] 1 male "America." [e] Includes 1 Couple "America."

EXHIBIT 2.—*Number of Persons Returned as having been Married in Michigan in 1878, by Sex, and Excess of the Sexes, by Age in Years.*

Ages in Years.	Persons Married in 1878.			Excess.		Ages in Years.	Persons Married in 1878.			Excess.	
	Total.	Males.	Females.	Males.	Females.		Total.	Males.	Females.	Males.	Females.
All ages	24,442	12,221	12,221	.....	.....	48	72	43	29	14	.....
						49	64	39	25	14	.....
13	4	.....	4	.....	4	50	86	51	35	16	.....
14	35	.....	35	.....	35	51	44	29	15	14	.....
15	122	.....	122	.....	122	52	57	40	17	23	.....
16	712	1	711	.....	710	53	48	29	19	10	.....
17	987	9	978	.....	969	54	52	37	15	22	.....
18	1,523	91	1,432	.....	1,341	55	44	33	11	22	.....
19	1,571	248	1,323	.....	1,075	56	46	26	20	6	.....
20	1,942	556	1,386	.....	830	57	28	17	11	6	.....
21	2,173	1,112	1,061	51	.....	58	49	33	16	17	.....
22	2,051	1,108	943	165	.....	59	19	11	8	3	.....
23	1,805	1,123	682	441	.....	60	37	27	10	17	.....
24	1,681	1,147	534	613	.....	61	29	26	3	23	.....
25	1,326	921	405	516	.....	62	34	26	8	18	.....
26	1,191	848	343	505	.....	63	28	18	10	8	.....
27	961	719	242	477	.....	64	26	19	7	12	.....
28	928	694	234	460	.....	65	28	24	4	20	.....
29	600	431	169	262	.....	66	15	12	3	9	.....
30	575	392	183	209	.....	67	18	11	7	4	.....
31	373	266	107	159	.....	68	21	17	4	13	.....
32	349	244	105	139	.....	69	8	7	1	6	.....
33	305	213	92	121	.....	70	18	16	2	14	.....
34	277	186	91	95	.....	71	7	7	.....	7	.....
35	308	196	112	84	.....	72	7	6	1	5	.....
36	209	139	70	69	.....	73	3	2	1	1	.....
37	219	143	76	67	.....	74	6	5	1	4	.....
38	224	155	69	86	.....	75	3	3	.....	3	.....
39	124	82	42	40	.....	76	4	3	1	2	.....
40	178	108	70	38	.....	77	5	4	1	3	.....
41	99	66	33	33	.....	78	2	2	.....	2	.....
42	131	88	43	45	.....	79	1	1	.....	1	.....
43	94	57	37	20	.....	84	1	1	.....	1	.....
44	90	55	35	20	.....	86	1	1	.....	1	.....
45	101	66	35	31	.....	89	1	1	.....	1	.....
46	70	43	27	16	.....	Unk..	130	51	79	.....	28
47	62	36	26	10	.....						

Table IX. shows, by county, by sex, the number of persons returned as having been married in Michigan in 1878 under the age of twenty-one years. More males and more females were returned as having been married under 21 years of age in 1878 than in any previous year, and more persons were married under the lawful age in 1878 than in any previous year. The legal marriageable age in this State is 18 years for males and 16 years for females; and in 1878 there were 10 males and 161 females returned as having been married under the legal age.

TABLE IX.—*Exhibiting, for the State and Counties, the Total Number, and Number of each Sex under 21 years of Age; and the Number of each Sex at each Age under that of 21 years, Returned as having been Married in Michigan during the year ending December 31, 1878.*

STATE AND COUNTIES.	Persons Married Under 21 Years of Age, 1878.			Ages of Males, 1878.					Ages of Females, 1878.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
STATE	6,894	904	5,990	556	247	91	9	1	1,385	1,321	1,434	978	711	122	35	4
Alcona	6	1	5	1	----	----	----	----	------	2	2	----	----	1	----	----
Allegan	153	17	136	12	4	1	----	----	35	28	26	18	25	4	----	----
Alpena	26	1	25	1	----	----	----	----	4	6	9	4	2	----	----	----
Antrim	21	2	19	1	----	1	----	----	2	5	1	5	6	----	----	----
Baraga	8	1	7	1	----	----	----	----	------	2	3	1	----	1	----	----
Barry	131	18	113	10	7	1	----	----	19	31	24	15	22	2	----	----
Bay	126	9	117	7	1	1	----	----	15	28	28	26	19	1	----	----
Benzie	10	1	9	1	----	----	----	----	------	6	------	----	3	----	----	----
Berrien	228	40	188	30	6	3	1	----	45	44	36	31	22	6	3	1
Branch	207	26	181	16	7	3	----	----	35	36	46	45	18	1	----	----
Calhoun	154	23	131	15	4	4	----	----	39	31	31	17	13	----	----	----
Cass	116	15	101	9	6	----	----	----	19	24	24	20	10	4	----	----
Charlevoix	16	------	16	----	----	----	----	----	1	4	6	3	2	----	----	----
Cheboygan	23	2	21	----	2	----	----	----	7	3	4	4	3	----	----	----
Chippewa	4	------	4	----	----	----	----	----	------	------	4	----	----	----	----	----
Clare	11	------	11	----	----	----	----	----	3	------	3	2	2	----	1	----
Clinton	139	19	120	9	6	4	----	----	29	28	31	15	16	1	----	----
Delta	23	3	20	2	----	1	----	----	4	4	3	4	4	1	----	----
Eaton	180	30	150	16	10	4	----	----	37	27	30	28	23	2	3	----
Emmet	40	5	35	2	1	1	1	----	11	4	4	6	7	2	1	----
Genesee	258	44	214	29	10	4	1	----	60	48	49	24	24	6	2	1
Gladwin	4	------	4	----	----	----	----	----	------	1	1	----	1	1	----	----
Grand Traverse	36	3	33	2	1	----	----	----	4	4	11	7	7	----	----	----
Gratiot	96	15	81	7	5	3	----	----	19	14	16	18	10	4	----	----

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1878.			Ages of Males, 1878.					Ages of Females, 1878.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Hillsdale	199	36	163	24	8	3	1	....	36	40	39	33	15	....	....	....
Houghton	90	9	81	7	2	....	....	....	25	10	22	10	8	6	....	....
Huron	85	13	72	8	3	2	....	....	13	7	21	19	11	1	....	....
Ingham	210	32	178	19	8	5	....	....	37	32	55	27	20	2	5	....
Ionia	173	21	152	14	5	2	....	....	37	36	36	22	20	1	....	....
Iosco	25	2	23	1	....	1	....	....	8	2	3	6	4	....	....	....
Isabella	39	4	35	2	1	1	....	....	3	10	8	6	4	4	....	....
Isle Royal[b]	.....	.....	.....	....	....	....	....	....	.....	.....	.....	....	....	....	....	....
Jackson	193	29	164	21	6	2	....	....	45	36	39	23	20	1	....	....
Kalamazoo	133	18	115	15	2	1	....	....	27	31	33	9	13	1	1	....
Kalkaska	19	.....	19	....	....	....	....	....	5	3	5	4	2	....	....	....
Kent	291	31	260	19	7	4	1	....	59	64	51	52	30	2	2	....
Keweenaw	12	1	11	1	....	....	....	....	2	.....	4	4	1	....	....	....
Lake	14	2	12	1	1	....	....	....	4	2	2	3	....	1	....	....
Lapeer	145	23	122	13	8	2	....	....	27	25	25	27	14	4	....	....
Leelanaw	22	4	18	3	1	....	....	....	1	3	3	3	4	4	....	....
Lenawee	231	41	190	23	11	6	....	1	46	43	56	30	12	2	1	....
Livingston	67	7	60	5	1	1	....	....	13	12	14	15	6	....	....	....
Mackinac	12	.....	12	....	....	....	....	....	1	4	5	....	1	1	....	....
Macomb	132	16	116	10	6	....	....	....	28	29	32	13	12	2	....	....
Manistee	45	1	44	1	....	....	....	....	8	11	9	10	6	....	....	....
Manitou	4	.....	4	....	....	....	....	....	1	.....	1	2	....	....	....	....
Marquette	53	4	49	2	2	....	....	....	14	10	13	9	2	....	....	1
Mason	39	4	35	4	....	....	....	....	4	8	10	7	4	2	....	....
Mecosta	65	2	63	1	1	....	....	....	14	17	13	12	4	2	1	....
Menominee	21	1	20	....	1	....	....	....	4	3	6	3	2	1	1	....
Midland	29	2	27	1	....	1	....	....	2	5	9	4	6	1	....	....
Missaukee	6	2	4	1	1	....	....	....	.....	1	2	....	1	....	....	....
Monroe	164	27	137	13	12	2	....	....	32	36	32	22	15	....	....	....
Montcalm	170	32	138	15	12	5	....	....	21	17	34	27	30	6	2	1
Muskegon	71	3	68	3	....	....	....	....	13	10	28	7	7	3	....	....
Newaygo	51	6	45	4	2	....	....	....	5	8	11	9	10	2	....	....
Oakland	155	24	131	14	10	....	....	....	37	40	33	9	11	1	....	....
Oceana	61	8	53	5	3	....	....	....	7	7	13	11	11	3	1	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.
[b] No returns of marriages from county clerk.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1878.			Ages of Males, 1878.					Ages of Females 1878.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Ogemaw	4	1	3	----	1	----	----	----	1	2	------	----	----	----	----	----
Ontonagon	7	------	7	----	----	----	----	----	2	2	------	3	----	----	----	----
Osceola	46	7	39	3	4	----	----	----	5	9	5	5	12	2	1	----
Otsego	3	------	3	----	----	----	----	----	------	------	1	1	1	----	----	----
Ottawa	128	19	109	10	5	2	2	----	28	28	23	15	12	3	----	----
Presque Isle	2	------	2	----	----	----	----	----	1	------	------	1	----	----	----	----
Roscommon	1	------	1	----	----	----	----	----	------	1	------	----	----	----	----	----
Saginaw	202	20	182	10	5	4	1	----	32	39	47	34	25	5	----	----
Sanilac	94	6	88	5	1	----	----	----	22	22	20	8	11	3	2	----
Schoolcraft	4	------	4	----	----	----	----	----	1	------	------	1	1	----	1	----
Shiawassee	112	18	94	9	7	2	----	----	19	17	24	21	10	3	----	----
St. Clair	169	20	149	14	4	2	----	----	45	33	33	22	12	4	----	----
St. Joseph	186	32	154	18	9	4	1	----	34	32	44	27	14	2	1	----
Tuscola	130	11	119	8	3	----	----	----	21	22	27	25	19	3	2	----
Van Buren	160	25	135	16	6	3	----	----	38	22	34	23	10	5	3	----
Washtenaw	112	12	100	7	2	3	----	----	32	32	19	10	7	----	----	----
Wayne	452	47	405	29	16	2	----	----	133	112	94	44	22	----	----	----
Wexford	40	6	34	6	----	----	----	----	4	6	4	7	10	2	1	----

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections (4719), (4720), (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1878.			Ages of Males, 1878.					Ages of Females, 1878.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Hillsdale	199	36	163	24	8	3	1	....	36	40	39	33	15	....	....	....
Houghton	90	9	81	7	2	....	....	....	25	10	22	10	8	6	....	....
Huron	85	13	72	8	3	2	....	....	13	7	21	19	11	1	....	....
Ingham	210	32	178	19	8	5	....	....	37	32	55	27	20	2	5	....
Ionia	173	21	152	14	5	2	....	....	37	36	36	22	20	1	....	....
Iosco	25	2	23	1	....	1	....	....	8	2	3	6	4	....	....	....
Isabella	39	4	35	2	1	1	....	....	3	10	8	6	4	4	....	....
Isle Royal[b]	.....	.....	.....	....	....	....	....	....	.....	.....	.....	....	....	....	....	....
Jackson	193	29	164	21	6	2	....	....	45	36	39	23	20	1	....	....
Kalamazoo	133	18	115	15	2	1	....	....	27	31	33	9	13	1	1	....
Kalkaska	19	.....	19	....	....	....	....	....	5	3	5	4	2	....	....	....
Kent	291	31	260	19	7	4	1	....	59	64	51	52	30	2	2	....
Keweenaw	12	1	11	1	....	....	....	....	2	.....	4	4	1	....	....	....
Lake	14	2	12	1	1	....	....	....	4	2	2	3	....	1	....	....
Lapeer	145	23	122	13	8	2	....	....	27	25	25	27	14	4	....	....
Leelanaw	22	4	18	3	1	....	....	....	1	3	3	3	4	4	....	....
Lenawee	231	41	190	23	11	6	....	1	46	43	56	30	12	2	1	....
Livingston	67	7	60	5	1	1	....	....	13	12	14	15	6	....	....	....
Mackinac	12	.....	12	....	....	....	....	....	1	4	5	....	1	1	....	....
Macomb	132	16	116	10	6	....	....	....	28	29	32	13	12	2	....	....
Manistee	45	1	44	1	....	....	....	....	8	11	9	10	6	....	....	....
Manitou	4	.....	4	....	....	....	....	....	1	.....	1	2	....	....	....	....
Marquette	53	4	49	2	2	....	....	....	14	10	13	9	2	....	....	1
Mason	39	4	35	4	....	....	....	....	4	8	10	7	4	2	....	....
Mecosta	65	2	63	1	1	....	....	....	14	17	13	12	4	2	1	....
Menominee	21	1	20	....	1	....	....	....	4	3	6	3	2	1	1	....
Midland	29	2	27	1	....	1	....	....	2	5	9	4	6	1	....	....
Missaukee	6	2	4	1	1	....	....	....	.....	1	2	....	1	....	....	....
Monroe	164	27	137	13	12	2	....	....	32	36	32	22	15	....	....	....
Montcalm	170	32	138	15	12	5	....	....	21	17	34	27	30	6	2	1
Muskegon	71	3	68	3	....	....	....	....	13	10	28	7	7	3	....	....
Newaygo	51	6	45	4	2	....	....	....	5	8	11	9	10	2	....	....
Oakland	155	24	131	14	10	....	....	....	37	40	33	9	11	1	....	....
Oceana	61	8	53	5	3	....	....	....	7	7	13	11	11	1	1	....

[a] Not legal marriages. For law and penalty to persons solemnizing, see sec. (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.
[b] No returns of marriages from county clerk.

TABLE IX.—CONTINUED.—*Persons Married under 21 Years of Age.*

COUNTIES.	Persons Married Under 21 Years of Age, 1878.			Ages of Males, 1878.					Ages of Females 1878.							
	Total.	Males.	Females.	Twenty.	Nineteen.	Eighteen.	Seventeen.[a]	Sixteen.[a]	Twenty.	Nineteen.	Eighteen.	Seventeen.	Sixteen.	Fifteen.[a]	Fourteen.[a]	Thirteen.[a]
Ogemaw	4	1	3	----	1	----	----	----	1	2	----	----	----	----	----	----
Ontonagon	7	----	7	----	----	----	----	----	2	2	----	3	----	----	----	----
Osceola	46	7	39	3	4	----	----	----	5	9	5	5	12	2	1	----
Otsego	3	----	3	----	----	----	----	----	----	----	1	1	1	----	----	----
Ottawa	128	19	109	10	5	2	2	----	28	28	23	15	12	3	----	----
Presque Isle	2	----	2	----	----	----	----	----	1	----	----	1	----	----	----	----
Roscommon	1	----	1	----	----	----	----	----	----	1	----	----	----	----	----	----
Saginaw	202	20	182	10	5	4	1	----	32	39	47	34	25	5	----	----
Sanilac	94	6	88	5	1	----	----	----	22	22	20	8	11	3	2	----
Schoolcraft	4	----	4	----	----	----	----	----	1	----	----	1	1	----	1	----
Shiawassee	112	18	94	9	7	2	----	----	19	17	24	21	10	3	----	----
St. Clair	169	20	149	14	4	2	----	----	45	33	33	22	12	4	----	----
St. Joseph	186	32	154	18	9	4	1	----	34	32	44	27	14	2	1	----
Tuscola	130	11	119	8	3	----	----	----	21	22	27	25	19	3	2	----
Van Buren	160	25	135	16	6	3	----	----	38	22	34	23	10	5	3	----
Washtenaw	112	12	100	7	2	3	----	----	32	32	19	10	7	----	----	----
Wayne	452	47	405	29	16	2	----	----	133	112	94	44	22	----	----	----
Wexford	40	6	34	6	----	----	----	----	4	6	4	7	10	2	1	----

[a] Not legal marriages. For law and penalty to persons solemnizing, see sections [illegible], [illegible], (4728), and (4729), Compiled Laws of 1871, pages 1462 and 1463.

MANNER OF UNION BY AGES.

Table X. shows the number and per cent. of persons married in 1878 at each period of age, and the ages (in periods) of the persons whom the persons of the opposite sex at each period of age married. For example, of the 349 males who were married under 20 years of age, 264 married females under 20 years of age, 82 married females aged 20 to 25 years, 1 aged 25 to 30 years, and 2 aged 35 to 40 years; and in the same manner the number of males at each period of age is read. Of the 4,605 females who were married under the age of 20 years, 264 married males under 20 years of age, 2,690 married males aged 20 to 25 years, 1,247 married males aged 25 to 30 years, 267 aged 30 to 35 years, 97 aged 35 to 40 years, 20 aged 40 to 45 years, 7 aged 45 to 50 years, 7 aged 50 to 55 years, 1 aged 55 to 60 years, 2 aged 70 to 75 years, and 3 of unknown age; and thus may be read the number of females married at each period of age.

TABLE X.—*Exhibiting the Number of each Sex at each Period of Age who were married in Michigan during the Year 1878; the Number of each Sex at each Period of Age who were united to the opposite Sex at each Period of Age; and the Per Cent. of Brides and of Bridegrooms at each Period of Age to Total at All Ages.*

AGES OF MALES, 1878.	AGES OF FEMALES, 1878.															Total Males.	Per Cent. of Grooms at each Age.
	Under 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unk'n.		
Under 20	264	82	1	2	----	----	----	----	----	----	----	----	----	----	----	349	2.86
20 to 25	2,690	2,097	199	31	8	2	----	----	1	----	----	----	----	----	18	5,046	41.29
25 to 30	1,247	1,670	544	109	29	5	----	1	----	----	----	----	----	----	8	3,613	29.56
30 to 35	267	474	313	158	64	16	4	1	----	----	----	----	----	----	4	1,301	10.65
35 to 40	97	180	182	122	81	33	11	6	----	----	1	----	----	----	2	715	5.85
40 to 45	20	58	96	66	73	43	12	4	1	----	----	----	----	----	1	374	3.06
45 to 50	7	26	25	44	48	32	29	11	4	----	1	----	----	----	----	227	1.86
50 to 55	7	4	17	23	32	41	30	20	9	2	1	----	----	----	----	186	1.52
55 to 60	1	9	6	10	17	17	28	16	12	2	1	----	----	----	1	120	.98
60 to 65	------	3	7	8	11	19	16	18	17	13	3	----	----	----	1	116	.95
65 to 70	------	------	1	4	4	5	5	17	12	11	10	1	1	----	----	71	.58
70 to 75	2	------	1	1	1	4	4	6	6	6	1	4	----	----	----	36	.29
75 to 80	------	------	------	----	----	1	2	1	4	3	1	----	1	----	----	13	.11
80 and over	------	------	------	----	1	----	1	----	----	1	----	----	----	----	----	3	.02
Unknown	3	3	1	----	----	----	----	----	----	----	----	----	----	----	44	51	.42
Total Females	4,605	4,606	1,393	578	369	218	142	101	66	38	19	5	2	----	79	12,221	------
Per Ct. of Brides at each age	37.68	37.69	11.40	4.73	3.02	1.78	1.16	.83	.54	.31	.15	.04	.02	----	.65	------	100.00

GREAT DIFFERENCES IN AGES OF PERSONS MARRIED.

Table XI. shows great disparity of ages between persons united in marriage in this State in 1878, as stated in the returns. Among those cases in which the bridegroom was the older, the greatest disparity appears for Saginaw county, in which case the disparity was 55 years, the age of the bridegroom being 74 years, and that of the bride being 19 years; and among those cases where the bride was the older, the greatest disparity appears for Huron county, in which case the disparity was 33 years, the age of the bridegroom being 23 years, and that of the bride 56 years.

TABLE XI.—*Marriages with Great Disparity of Ages of Persons Married, in Michigan during the Year ending December 31, 1878.*

COUNTIES.	Bridegroom Oldest,—1878.					Bride Oldest,—1878.				
	Occupation of Bridegroom.	Birthplace.		Age.		Occupation of Bridegroom.	Birthplace.		Age.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Allegan	Farmer	England	Ohio	67	33	Farmer	New York	New York	47	65
Alpena	Land Agent	New York	Ontario	44	18					
Antrim						Farmer	Scotland	N. Brunswick	32	48
Barry	Farmer	Connecticut	Ohio	62	32	Farmer	England	New York	39	54
Bay	Tailor	Germany	Germany	52	28					
Benzie	Farmer	New York	New York	35	16					
Berrien	Farmer	New York	Indiana	41	14	Teacher	Ohio	New York	23	43
Branch	Mason	Pennsylvania	Ohio	41	17	Farmer	Ohio	Indiana	27	42
Calhoun	Farmer	England	Michigan	50	18	Carpenter	Ohio	Michigan	23	31
Cass	Farmer	Virginia	N. Carolina	[a] 77	[a] 55	Farmer	Tennessee	New York	53	65
Charlevoix	Farmer	Vermont	Michigan	42	17					
Cheboygan	Laborer	Canada	Michigan	53	19					
Clare						Farmer	New York	Michigan	51	63

[a] "African" and Indian.

TABLE XI.—CONTINUED.—*Marriages with great Disparity of Ages.*

COUNTIES.	BRIDEGROOM OLDEST,—1878.					BRIDE OLDEST,—1878.				
	OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.		OCCUPATION OF BRIDEGROOM.	BIRTHPLACE.		AGE.	
		Bridegroom.	Bride.	Bridegroom.	Bride.		Bridegroom.	Bride.	Bridegroom.	Bride.
Clinton	Blacksmith	Germany	New York	35	16					
Delta	Laborer	New York	Illinois	49	18					
Eaton	Farmer	Massachusetts	Scotland	63	28	Farmer	Vermont	Pennsylvania	33	48
Emmet	Farmer	Ohio	Indiana	56	38	Lumberman	Canada	Michigan	29	39
Genesee	Farmer	New York	Canada	72	28	Farmer	Michigan	Michigan	26	38
Gratiot	Laborer	Pennsylvania	Pennsylvania	76	48					
Hillsdale	Farmer	Vermont	Canada	61	26	Farmer	New York	New York	23	33
Houghton	Miner	Sweden	Finland	37	17	Laborer	Swedon	Finland	27	40
Huron	Farmer	Ireland	Pennsylvania	52	18	Farmer	Canada	New York	23	56
Ingham	Agriculturist	New York	Michigan	58	22	Farmer	Connecticut	Ohio	24	37
Ionia	Mechanic	New Jersey	Canada	89	49	Farmer	Vermont	New York	34	48
Iosco	Farmer	New York	New York	65	40					
Isabella	Farmer	Ireland	Michigan	55	33					
Jackson	Farmer	Massachusetts	Pennsylvania	58	27	Farmer	New York	New York	23	35
Kalamazoo	Farmer	N. Carolina	Indiana	[a] 60	[a] 26	Farmer	Ontario	Ohio	[b] 41	[b] 50
Kalkaska	Carpenter	New York	Michigan	51	22					
Kent	Farmer	New York	Canada	70	16	Farmer	New York	New York	37	49
Lake	Laborer	New York	Michigan	34	17					
Lapeer	Farmer	New Jersey	Michigan	70	39					
Leelanaw	Farmer	Pennsylvania	New York	50	28					
Lenawee	Farmer	New York	New York	62	23	Lumberman	Ohio	New York	28	50
Livingston	Mechanic	Massachusetts	Michigan	86	38	Farmer	Ohio	New York	38	49

Macomb	Farmer	Ireland	Michigan	60	26					
Marquette						Miner	Sweden	Sweden	23	34
Mason	Farmer	Michigan	Michigan	43	15					
Mecosta	Farmer	New York	Indiana	45	19					
Midland	Physician	Rhode Island	Germany	63	32	Farmer	New York	New York	23	32
Monroe	Farmer	Ireland	Michigan	70	30	Farmer	Michigan	Michigan	28	38
Montcalm	Mill-man	Ohio	Ohio	46	17	Farmer	Denmark	New York	[b] 21	[b] 32
Muskegon	Atty. at Law	Scotland	Michigan	45	18	Laborer	Michigan	New York	22	35
Nowaygo	Bee Keeper	New York	Canada	46	20	Farmer	Michigan	Michigan	21	31
Oakland	Farmer	New York	Ohio	68	40	Farmer	England	Michigan	28	37
Oceana	Merchant	Ohio	Michigan	47	22					
Osceola	Farmer	New York	New York	54	14	Lumberman	Pennsylvania	New York	23	34
Otsego	Farmer	New York	Canada	60	32					
Ottawa	Farmer	Netherlands	Michigan	59	22	Miller	Michigan	Ohio	22	35
Saginaw	Stone Mason	Michigan	London	74	19					
	Teacher	Germany	Germany	61	26					
Sanilac	Farmer	Ontario	Ontario	40	20					
Shiawassee	Butcher	Michigan	Michigan	51	16	Butcher	Germany	Germany	19	30
St. Clair	Farmer	Canada	Michigan	58	25	Teamster	Michigan	Ontario	26	33
St. Joseph	Retired Life	New York	Indiana	60	[c] 23					
Tuscola	Farmer	Germany	Germany	59	31	Farmer	Ireland	Maine	22	39
Van Buren	Carpentor	Connecticut	Michigan	50	18					
Washtenaw	Farmer	England	Illinois	53	19	Farmer	Canada	Michigan	25	35
Wayne	Farmer	Massachusetts	Ohio	64	22	Painter	Germany	Germany	39	67

[a] Black. [b] Color unknown. [c] Mulatto.

TABLE XII.—*Exhibiting, for the State and Counties, the Number of Marriages in Michigan during the Years 1875, 1876, 1877, and 1878, as first Returned to the State Department; the Number Returned since first compilation for the Years 1875, 1876, and 1877; for the Years 1872-1877 the Number Returned previous to December 20, 1879; the Population, 1874; Number of Inhabitants in 1874 to 1 Marriage in 1878, and the Per Cent. of Marriages in 1878 to Population in 1874.*

STATE AND COUNTIES.	MARRIAGES.													Population, 1874, Represented by Marriages in 1878.	Number of Inhabitants in 1874 to one Marriage in 1878.	Per Cent. of Marriages in 1878 to Population in 1874.
	1872.	1873.	1874.	1875.			1876.			1877.			1878.			
	Number Returned previous to Dec. 20, 1879.	Number Returned previous to Dec. 20, 1879.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number Returned.			
STATE	10,767	11,897	12,247	11,055	743	11,798	10,858	945	11,803	11,609	646	11,655	12,221	1,334,027	109	.92
Alcona	8	7	10	13	.....	13	5	1	6	9	.....	9	6	1,214	202	.49
Allegan	251	256	278	298	.....	298	306	.....	306	266	7	273	275	32,381	118	.85
Alpena	58	42	62	36	11	47	41	1	42	42	2	44	54	4,807	89	1.12
Antrim	20	42	30	13	.....	13	24	1	25	23	.....	23	33	3,002	94	1.07
Baraga	.....	.....	.....	9	.....	9	11	.....	11	7	.....	7	7	.....	.....	.....
Barry	156	187	179	172	15	187	193	12	205	210	2	212	212	22,051	104	.96
Bay	176	156	213	196	6	202	174	13	187	150	20	170	246	24,832	101	.99
Benzie	14	24	17	34	.....	34	32	.....	32	22	.....	22	21	2,663	127	.79
Berrien	450	434	426	388	2	390	471	14	485	356	10	366	422	35,029	83	1.20
Branch	259	235	309	301	2	303	281	.....	281	273	3	276	310	25,726	83	1.21
Calhoun	358	296	355	343	5	348	264	18	282	289	5	294	321	35,655	111	.90
Cass	211	226	213	180	15	195	202	13	215	175	1	176	202	20,525	102	.98
Charlevoix	19	17	23	21	.....	21	25	.....	25	31	.....	31	29	2,360	81	1.23
Cheboygan	7	23	23	16	.....	16	23	.....	23	45	.....	45	40	3,070	77	1.30

Chippewa	7	10	6	12	.....	12	10	1	11	23	.....	23	12	2,170	181	.55
Clare	8	15	6	19	.....	19	7	.....	7	13	.....	13	16	1,354	85	1.18
Clinton	164	204	206	195	3	198	199	4	203	173	14	187	228	23,661	104	.96
Delta	45	47	38	22	.....	22	27	.....	27	44	.....	44	43	4,741	110	.91
Eaton	240	215	282	247	24	271	259	15	274	287	5	292	266	26,007	101	.99
Emmet	9	5	23	13	1	14	21	1	22	26	4	30	55	1,272	23	4.32
Genesee	293	314	316	331	11	342	330	24	354	350	9	359	391	34,568	88	1.13
Gladwin	.....	.....	.....	2	.....	2	.....	.....	.....	4	.....	4	4	265	66	1.51
Grand Traverse	38	32	40	53	7	60	61	2	63	41	4	45	52	5,349	103	.97
Gratiot	90	140	104	141	1	142	93	19	112	126	2	128	133	13,886	104	.96
Hillsdale	364	340	420	370	14	384	358	14	372	329	3	332	371	31,566	85	1.18
Houghton	106	191	136	115	21	136	136	15	151	183	2	185	159	[a] 19,030	120	.84
Huron	87	90	78	111	1	112	129	.....	129	109	.....	109	120	11,964	100	1.00
Ingham	229	288	283	309	28	337	269	13	282	287	22	309	395	29,193	74	1.35
Ionia	268	296	278	252	20	272	268	8	276	254	8	262	276	28,376	103	.97
Iosco	46	48	22	22	.....	22	17	.....	17	39	1	40	46	4,575	99	1.01
Isabella	44	38	62	51	1	52	53	3	56	49	.....	49	56	6,059	108	.92
Isle Royal [b]	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	[b]	.....	.....
Jackson	313	321	378	327	29	356	330	34	364	395	3	398	358	37,988	106	.94
Kalamazoo	348	307	319	303	9	312	250	16	266	249	5	254	302	32,284	107	.94
Kalkaska	5	4	9	7	.....	7	11	.....	11	16	.....	16	30	1,259	42	2.38
Kent	556	606	633	634	22	656	487	123	610	517	27	544	579	62,671	108	.92
Keweenaw	12	26	35	32	1	33	40	.....	40	25	2	27	26	5,411	203	.48
Lake	8	11	14	14	.....	14	10	2	12	13	.....	13	16	1,813	113	.88
Lapeer	162	190	198	193	2	195	195	2	197	191	2	193	229	25,140	110	.91
Leelanaw	31	44	46	33	.....	33	35	.....	35	46	.....	46	27	5,031	186	.54

[a] Population of Baraga county is included in statement of population of Houghton county and cannot be ascertained.
[b] No returns of Marriages from county clerk for 1878.

TABLE XII.—CONTINUED.—*Marriages Corrected by Counties.*

COUNTIES.	MARRIAGES.													Population, 1874, Represented by Marriages in 1878.	Number of Inhabitants in 1874 to one Marriage in 1878.	Per Cent. of Marriages in 1878 to Population in 1874.
	1872.	1873.	1874.	1875.			1876.			1877.			1878.			
	Number Returned previous to Dec. 20, 1879.	Number Returned previous to Dec. 20, 1879.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number as first Returned and Compiled.	Number Returned since first Compilation.	Number Returned previous to Dec. 20, 1879.	Number Returned.			
Lenawee	503	515	491	440	42	482	339	37	426	401	18	419	408	46,084	113	.89
Livingston	160	134	153	153	4	157	140	5	145	156	1	157	135	20,329	151	.66
Mackinac	14	8	26	11	2	13	11	.....	11	17	.....	17	25	1,496	60	1.67
Macomb	158	217	253	192	16	208	232	3	235	228	.....	228	233	28,305	121	.82
Manistee	51	110	69	71	.....	71	76	.....	76	57	1	58	75	8,471	113	.89
Manitou	3	2	8	.....	.....	.....	.....	.....	.....	6	.....	6	11	657	60	1.67
Marquette	199	284	215	138	2	140	99	7	106	109	.....	109	96	21,916	229	.44
Mason	30	41	37	44	8	52	51	2	53	62	.....	62	71	5,361	76	1.32
Mecosta	85	95	89	83	.....	83	88	2	90	88	8	96	102	9,132	90	1.12
Menominee	17	22	19	29	.....	29	29	.....	29	32	.....	32	35	3,490	100	1.00
Midland	33	50	23	38	1	39	23	.....	23	37	4	41	54	4,765	88	1.13
Missaukee	4	4	2	5	.....	5	3	.....	3	7	.....	7	6	606	101	.99
Monroe	212	249	310	307	1	308	285	26	311	328	4	332	305	30,111	99	1.01
Montcalm	140	177	192	164	38	202	156	46	202	172	41	213	233	20,815	89	1.12
Muskegon	168	189	166	143	14	157	162	15	177	138	4	142	161	19,375	120	.83
Newaygo	69	85	88	86	1	87	78	.....	78	87	5	92	76	8,758	115	.87
Oakland	309	256	299	310	8	318	325	11	336	314	9	323	301	38,082	127	.79
Oceana	57	43	79	69	.....	69	68	.....	68	75	.....	75	81	8,360	103	.97

Ogemaw	.....	.....	.....	.....	.....	.....	6	.....	6	2	.....	2	3	207	69	1.45
Ontonagon	12	22	16	10	2	12	13	.....	13	12	.....	12	10	2,406	241	.42
Osceola	47	62	48	35	2	37	41	6	47	77	2	79	75	6,216	83	1.21
Otsego	.....	.....	.....	4	.....	4	13	.....	13	1	4	5	7	238	31	2.94
Ottawa	194	245	240	237	3	240	232	7	239	241	.....	241	216	29,929	139	.72
Presque Isle	5	7	10	.....	3	3	5	.....	5	.....	.....	.....	4	1,615	404	.25
Roscommon	.....	.....	.....	4	.....	4	.....	.....	.....	2	.....	2	3	276	92	1.09
Saginaw	465	437	412	355	13	368	384	7	391	354	4	358	371	48,409	130	.77
Sanilac	117	111	107	132	1	133	117	1	118	135	.....	135	152	16,292	107	.93
Schoolcraft	5	8	6	5	.....	5	5	.....	5	10	.....	10	9	1,290	143	.70
Shiawassee	136	161	180	158	9	167	180	6	186	183	8	191	165	21,773	132	.76
St. Clair	343	356	420	327	23	350	331	17	348	319	5	324	299	40,088	136	.73
St. Joseph	270	282	309	265	41	306	273	30	303	313	22	335	314	25,906	83	1.21
Tuscola	133	134	150	138	3	141	147	.....	147	160	2	162	189	16,998	90	1.11
Van Buren	239	280	281	225	3	228	233	9	242	237	4	241	268	29,156	109	.92
Washtenaw	333	306	309	205	69	274	214	58	272	291	.....	291	266	38,723	146	.69
Wayne	792	1,245	1,137	823	174	997	751	281	1,032	628	337	965	1,049	144,903	138	.72
Wexford	9	30	24	21	9	30	51	.....	51	43	.....	43	46	3,011	65	1.53

EXHIBIT D.—*Number of Inhabitants to One Marriage, as stated for Different Foreign Countries, the United States, and some of the States of the Union. The Statements for Michigan include only the Inhabitants of Counties Represented by Returns of Marriages.*

COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.		COUNTRY, STATE, OR CITY.	Year for which the Statement is made.	Inhabitants to one Marriage Annually.
Austria	.....	117	Taken from "Statistics of Minnesota for 1869."	Massachusetts[b]	1870	98.9
Bavaria	.....	160		Massachusetts[b]	1871	94.9
Belgium	.....	122		Massachusetts[b]	1872	94.9
Denmark	.....	129		Massachusetts[b]	1873	95.6
England	.....	122		Massachusetts[b]	1874	103.5
Finland	.....	141		Massachusetts[b]	1875	121
France	.....	122		Massachusetts[b]	1876	133
Greece	.....	174		Massachusetts[b]	1877	136
Holland	.....	129		New Jersey[c]	1870	135
Norway	.....	124		New York City[d]	1869	108
Prussia	.....	106		New York City[e]	1870	118
Russia	.....	111		Michigan[fg]	1869	108
Saxony	.....	107		Michigan[f]	1870	120
Spain	.....	141		Michigan[fg]	1871	116
Sweden	.....	135		Michigan[fg]	1872	121
United States	1860	122		Michigan[fg]	1873	114
New York	1860	135		Michigan[fg]	1874	116
Massachusetts	1865	97		Michigan[fh]	1874	109
Ohio	.....	105		Michigan[f]	1875	118
Minnesota	1860	110		Michigan[fi]	1876	124
Minnesota	1868	107		Michigan[fi]	1877	131
Minnesota[a]	1870	116		Michigan[i]	1878	132

[a] Taken from Statistics of Minnesota for 1870.
[b] Taken from Registration Report of Massachusetts for 1877, page 19.
[c] There were 16 Townships from which no returns of marriages were received. Computed from data in Registration Report of New Jersey for 1870.
[d] Computed from data in Report of Metropolitan Board of Health for 1869.
[e] Computed from data in Report of Board of Health, of Health Department, for 1870.
[f] Marriages corrected, for additional returns, up to Dec. 20, 1879.
[g] Population estimated from Censuses of 1860 and 1870.
[h] Population as per Census of Michigan, 1874.
[i] Population estimated from Censuses of 1864 and 1874.

DEATHS, 1878.

There were 12,766 deaths in Michigan in 1878, as shown by the returns of the county clerks to the State Departmant. This number is smaller than the number returned for the years 1877, 1873, or 1872, and larger than the number returned for the years 1876, 1875, or 1874. (See Table I., page 104.) If, the number returned be increased so as to account for the number probably omitted in the enumeration, according to the compiler's method of correction, the number of deaths in this State in 1878 will appear to be 18,866,—as shown in Exhibit A, page 107. By the above-mentioned method of correction, it is found that, for 1878, the number returned should be increased by 47.87 per cent. in order to equal the number which probably occurred.

The average number of deaths during each of certain specified periods of time in 1878, including unknown month, is as follows:

PERIODS OF TIME.	Deaths as Returned.	Corrected as per Exhibit C, 4th line.
Per quarter	3,191.50	4,716.50
Per month	1,063.83	1,572.17
Per week	245.50	362.81
Per day	34.98	51.69

THE DEATH-RATE IN MICHIGAN.

The following tabular exhibit shows the death-rate in Michigan for the year 1878. The statement is made for the deaths as returned and as corrected for omissions in the enumeration. The probable death-rate in the State for the year is 1.42 per cent., or 14.2 per thousand.

	Inhabitants in 1874 Represented by Deaths in 1878.	Deaths as Returned.	Deaths Corrected for Omissions in Enumerating.	Per Cent. of Deaths to Inhabitants.	
				Deaths as Returned.	Deaths Corrected for Omissions.
Total	1,324,761	12,766	18,842	.96	1.42

Table I. shows, by quarters of the year, the number and proportion of deaths returned, and as corrected for omissions, for each of the years 1873–1878. The year 1878 is the only one in the table which shows a larger proportion for the last quarter than for the quarter ending with September. When the deaths are corrected for omissions in the enumeration, the quarter ending with September has the largest number of deaths.

TABLE I.—*Deaths Returned as having occurred in Michigan by Quarters of the Year, Exhibiting the Number and Per Cent. of Total as Returned and as Corrected for each of the Years 1873 to 1878, inclusive.*

TOTALS, AND MONTHS WITH WHICH QUARTERS END.	1873.		1874.		1875.		1876.		1877.		1878.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
Totals	14,258	100.00	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	12,766	100.00
As Returned. March	3,211	22.52	2,246	17.97	2,679	22.34	2,460	19.56	2,599	20.12	2,449	19.18
June	3,335	23.39	3,039	24.31	2,838	23.63	2,803	22.29	2,829	21.90	2,822	22.10
Sept.	4,182	29.33	3,870	30.96	3,334	27.81	4,009	31.88	3,999	30.95	3,731	29.22
Dec.	3,461	24.28	3,299	26.39	3,073	25.62	3,273	26.02	3,436	26.60	3,740	29.30
Unknown	69	.48	46	.37	71	.59	31	.25	56	.43	24	.19
Average	3,564.50	25.00	3,125.00	25.00	2,997.50	25.00	3,144.00	25.00	3,229.75	25.00	3,191.50	25.00
Totals	20,312	100.00	20,090	100.00	17,289	100.00	18,389	100.00	18,341	100.00	18,866	100.00
As Corrected for Omissions. March	5,190	25.55	4,288	21.34	4,409	25.50	4,153	22.58	4,227	23.05	4,217	22.35
June	4,998	24.61	5,281	26.29	4,315	24.96	4,364	23.73	4,259	23.22	4,468	23.68
Sept.	5,729	28.20	5,963	29.68	4,621	26.73	5,661	30.78	5,495	29.96	5,340	28.30
Dec.	4,326	21.30	4,512	22.46	3,873	22.40	4,180	22.73	4,304	23.47	4,817	25.53
Unk.	69	.34	46	.23	71	.41	31	.17	56	.30	24	.13
Average[a]	5,078	25.00	5,023	25.00	4,322	25.00	4,597	25.00	4,585	25.00	4,717	25.00

[a] Including deaths in unknown month.

In Table II. the months are arranged in the order of those first which had the greatest number of deaths. August heads the list for each year except 1874, and January shows the least number in each year.

TABLE II.—*Deaths in Michigan, Exhibiting, by Months, the Number and Per Cent. of Total Returned for each of the Years 1873 to 1878, inclusive, the months arranged in order by Number of Deaths, the Greatest Number first.*

ORDER.	1873.			1874.			1875.			1876.			1877.			1878.		
	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.	Year and Months.	Number.	Per Ct. of Total.
	Year...	14,258	100.00	Year...	12,500	100.00	Year...	11,990	100.00	Year...	12,576	100.00	Year...	12,919	100.00	Year...	12,766	100.00
1	Aug....	1,535	10.77	Sept...	1,517	12.14	Aug....	1,222	10.19	Aug...	1,507	11.98	Aug...	1,559	12.07	Aug....	1,371	10.74
2	Sept...	1,471	10.32	Aug...	1,388	11.10	Sept...	1,219	10.17	Sept...	1,423	11.32	Sept...	1,400	10.84	Dec....	1,369	10.72
3	Oct....	1,258	8.83	Oct....	1,211	9.69	Oct....	1,080	9.01	Dec....	1,153	9.17	Oct.....	1,221	9.45	Sept....	1,343	10.52
4	Mar....	1,248	8.75	Dec....	1,120	8.96	Dec....	1,065	8.88	Oct....	1,131	8.99	Dec....	1,155	8.94	Oct....	1,190	9.32
5	July...	1,176	8.25	April..	1,102	8.81	Mar....	1,045	8.72	July...	1,079	8.58	Nov....	1,060	8.20	Nov....	1,181	9.25
6	April..	1,174	8.23	May...	1,071	8.57	May...	1,022	8.52	Nov....	989	7.86	July...	1,040	8.05	April..	1,029	8.06
7	Dec....	1,136	7.97	Nov....	968	7.74	April..	1,003	8.37	April..	978	7.78	Mar....	990	7.66	July...	1,017	7.97
8	May...	1,121	7.87	July...	965	7.72	Nov....	928	7.74	Mar....	975	7.75	April..	978	7.57	Mar....	930	7.28
9	Feb....	1,104	7.74	Mar....	919	7.35	Feb....	898	7.49	May...	970	7.71	May...	976	7.55	May...	923	7.23
10	Nov....	1,067	7.49	June..	866	6.93	July..	893	7.45	June..	855	6.80	June...	875	6.77	June..	870	6.82
11	June..	1,040	7.30	Feb....	672	5.38	June..	808	6.74	Feb....	800	6.36	Feb....	843	6.53	Feb....	789	6.18
12	Jan....	859	6.02	Jan....	655	5.24	Jan....	736	6.14	Jan....	685	5.45	Jan....	766	5.93	Jan....	730	5.72
	Unk...	69	.48	Unk...	46	.37	Unk...	71	.59	Unk...	31	.25	Unk...	56	.43	Unk....	24	.19
	Av.....	1,188.17	8.33	Av.....	1,041.67	8.33	Av.....	999.17	8.33	Av.....	1,048.00	8.33	Av.....	1,076.58	8.33	Av.....	1,063.83	8.33

In each month of 1878, except March, there were more deaths of males than of females, as shown by Table III. The excess of males over females for the year was 4.32 per cent. The numbers in Table III. are as returned by the county clerks.

TABLE III.—*Number and Per Cent. of Deaths of Males and of Females from all Causes, as Returned, by Months.* (*Unknown sex excluded.*)

YEAR AND MONTHS, 1878.	Deaths as Returned, 1878.		Per Cent. of each Sex to Total of both Sexes.				Males to 100 Females.
	Males.	Females.	Males.	Females.	Excess of the Sexes.		
					Males.	Females.	
Year 1878	6,632	6,082	52.16	47.84	4.32	.....	109
January	369	356	50.90	49.10	1.80	.....	104
February	407	379	51.78	48.22	3.56	.....	107
March	461	466	49.73	50.27	.....	.54	99
April	562	459	55.04	44.96	10.08	.....	122
May	484	437	52.55	47.45	5.10	.....	111
June	441	427	50.81	49.19	1.62	.....	103
July	528	488	51.97	48.03	3.94	.....	108
August	726	612	53.07	46.93	6.14	.....	113
September	691	645	51.72	48.28	3.44	.....	107
October	607	577	51.27	48.73	2.54	.....	105
November	617	562	52.33	47.67	4.66	.....	110
December	727	632	53.50	46.50	7.00	.....	115
Unknown	12	12	50.00	50.00	.....	.....	.....

Exhibit A shows, by sex, the number of deaths in 1878, by months equalized to uniform length. As thus equalized, the largest proportion is shown for the month of September, and the largest excess of males is shown for April.

EXHIBIT A.—*By Sex, the Number of Deaths Returned as having occurred in Michigan during the Year 1878, by Months Equalized to 30.44 days each;—Number of Deaths in each Month; Per Cent. of Deaths in each Month toTotal Deaths during the Year; and Per Cent. and Excess of Per Cent. of Deaths of each Sex to Total of both Sexes.*

YEAR AND MONTHS, 1878.	Number of Deaths, as Equalized, 1878.				Per Ct. of Deaths in each Month to Total during the Year.				Per Ct. of each Sex to Total of Both Sexes, Unknown Sex Excluded.			
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Unk.	Males.	Females.	Excess. Males.	Excess. Females.
Year 1878..	12,766	6,632	6,082	52	100.00	100.00	100.00	100.00	52.16	47.84	4.32	.....
January...	717	362	350	5	5.62	5.46	5.75	9.61	50.84	49.16	1.68	.....
February..	858	443	412	3	6.72	6.68	6.77	5.77	51.81	48.19	3.62	.....
March.....	914	453	458	3	7.16	6.83	7.53	5.77	49.73	50.27	.....	.54
April.....	1,044	570	466	8	8.18	8.59	7.66	15.38	55.02	44.98	10.04	.....
May.....	906	475	429	2	7.10	7.16	7.05	3.85	52.54	47.46	5.08	.....
June.....	883	448	433	2	6.92	6.75	7.12	3.85	50.85	49.15	1.70	.....
July.....	999	519	479	1	7.82	7.83	7.88	1.92	52.00	48.00	4.00	.....
August.....	1,346	713	630	3	10.54	10.75	10.36	5.77	53.09	46.91	6.18	.....
September.	1,363	701	655	7	10.68	10.57	10.77	13.46	51.70	48.30	3.40	.....
October....	1,169	596	567	6	9.16	8.99	9.32	11.54	51.25	48.75	2.50	.....
November..	1,198	628	570	2	9.38	9.44	9.37	3.85	52.34	47.66	4.68	.....
December.	1,345	714	621	10	10.53	10.77	10.21	19.23	53.48	46.52	6.96	.....
Unknown..	24	12	12	.....	.19	.18	.20	.....	50.00	50.00	.....	.....
Average ..[a]	1,062	552	506	4	8.33	8.33	8.33	8.33	52.05	47.95	.....	.....

[a] Unknown month excluded.

EXHIBIT B.—*Months arranged in Order by Number of Deaths,—those having the greatest Number first,—in Massachusetts for each of the Years 1875 to 1878, inclusive; in Michigan for the Census Year ending June 1, 1870, by the U. S. Census and by the State Registration Returns, for each of the Years 1872 to 1878, inclusive, as per Registration Returns, and as Corrected for Omissions in Enumeration; also, in Rhode Island for each of the Years 1875 to 1878, inclusive.*

Order.	Massachusetts, Including Still-births.				Michigan for Census Year Ending June 1, 1870.		Michigan, as per Registration Returns, Including Still-births.							Michigan, Corrected for Omissions in Enumeration, Including Still-births.							Rhode Island Excluding Still-births.			
	1875.	1876.	1877.	1878.	Returned by Census Marshals.	Registration Returns.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1875.	1876.	1877.	1878.
1	Aug.	Aug.	Aug.	.....	Mar.	Sept.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.	Aug.	Aug.	Aug.	Aug.	Aug.	Aug.	Sept.	.....
2	Sept.	July.	Sept.	.....	May.	Aug.	Sept.	Sept.	Aug.	Sept.	Sept.	Sept.	Dec.	Sept.	Mar.	Aug.	Mar.	Sept.	Sept.	Sept.	Sept.	July.	Aug.	.....
3	Jan.	Mar.	July	.....	Aug.	Oct.	Oct.	Oct.	Oct.	Oct.	Dec.	Oct.	Sept.	Apr.	Sept.	Apr.	Sept.	Mar.	Oct.	Dec.	Feb.	Dec.	Oct.	.....
4	Feb.	Jan.	Mar.	.....	Sept.	Dec.	Dec.	Mar.	Dec.	Dec.	Oct.	Dec.	Oct.	Oct.	Apr.	May.	Apr.	July.	Mar.	Apr.	Jan.	Mar.	July.	.....
5	July.	Sept.	Oct.	.....	Apr.	Mar.	April	July.	Apr.	Mar.	July.	Nov.	Nov.	Mar.	Feb.	Oct.	May.	Apr.	Apr.	Oct.	Dec.	Sept.	Dec.	.....
6	Dec.	Apr.	Jan.	.....	Feb.	May.	Nov.	Apr.	May.	May.	Nov.	July.	Apr.	May.	May.	Mar.	Feb.	May.	July.	Mar.	Nov.	Oct.	Nov.	.....
7	May.	Feb.	April	.....	Oct.	July.	July.	Dec.	Nov.	Apr.	Apr.	Mar.	July.	July.	July.	July.	Oct.	Oct.	May.	Nov.	July.	May.	Mar.	.....
8	Mar.	Oct.	Nov.	.....	Dec.	Nov.	May.	May.	July.	Nov.	Mar.	Apr.	Mar.	Dec.	Oct.	Dec.	Dec.	Dec.	Dec.	July.	Mar.	Apr.	May.	.....
9	Apr.	Dec.	Dec.	.....	Jan.	April.	Mar.	Feb.	Mar.	Feb.	May.	May.	May.	Nov.	J'ne.	J'ne.	July.	Feb.	Feb.	May.	Oct.	Feb.	Jan.	.....
10	Oct.	May.	May.	.....	July.	June.	J'ne.	Nov.	J'ne.	July.	J'ne.	J'ne.	J'ne.	Feb.	Jan.	Nov.	Jan.	J'ne.	Nov.	Feb.	May.	Jan.	Apr.	.....
11	Nov.	Nov.	Feb.	.....	Nov.	Feb.	Feb.	J'ne.	Feb.	J'ne.	Feb.	Feb.	Feb.	J'ne.	Dec.	Jan.	J'ne.	Nov.	Jan.	J'ne.	Apr.	Nov.	J'ne.	.....
12	J'ne.	J'ne.	J'ne.	.....	June.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Jan.	Nov.	Feb.	Nov.	Jan.	J'ne.	Jan.	J'ne.	J'ne.	Feb.	.....

EXHIBIT C.—*Deaths in Michigan during the Year 1878, as Returned, as Corrected for Omissions in Enumerating, the same Equalized for Increase of Population during the Year covered by the Returns, and the Deaths as thus Corrected and Equalized for the several Months, Equalized to Months of a uniform length of 30.44 days; also, indicating some of the steps by which these results have been reached.*

	Totals	Months, 1878.											
		Jan.	Feb.	Mar.	April	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	a 12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	77.44	72.60	67.76	62.92	58.08	53.24	48.40	43.56	38.72	33.88	29.04	24.20
Number of deaths to be added for above correction	6,100	565	573	630	647	536	463	492	597	520	403	343	331
Deaths, if enumerated in months of occurrence	18,842	1,295	1,362	1,560	1,676	1,459	1,333	1,509	1,968	1,863	1,593	1,524	1,700
Per cent. of deaths to be added to equalize them to population at close of year	.....	4.21	3.86	3.51	3.16	2.81	2.46	2.11	1.76	1.41	1.06	.71	.35
Deaths to be added to equalize them to population at close of year	471	55	53	55	53	41	33	32	35	26	17	11	60
Deaths, as corrected, equalized to population at close of year	19,313	1,350	1,415	1,615	1,729	1,500	1,366	1,541	2,003	1,889	1,610	1,535	1,760
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+ 2.44	—.56	+.44	—.56	+.44	—.56	—.56	+ 44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	+14	—21	+ 123	—29	+ 25	—27	+ 20	—28	—36	+ 28	—20	+ 23	—32
Deaths, corrected and equalized, equalized to months of uniform length	19,327	1,326	1,538	1,586	1,754	1,473	1,386	1,513	1,967	1,917	1,581	1,558	1,728

a Excluding 24 in unknown month.

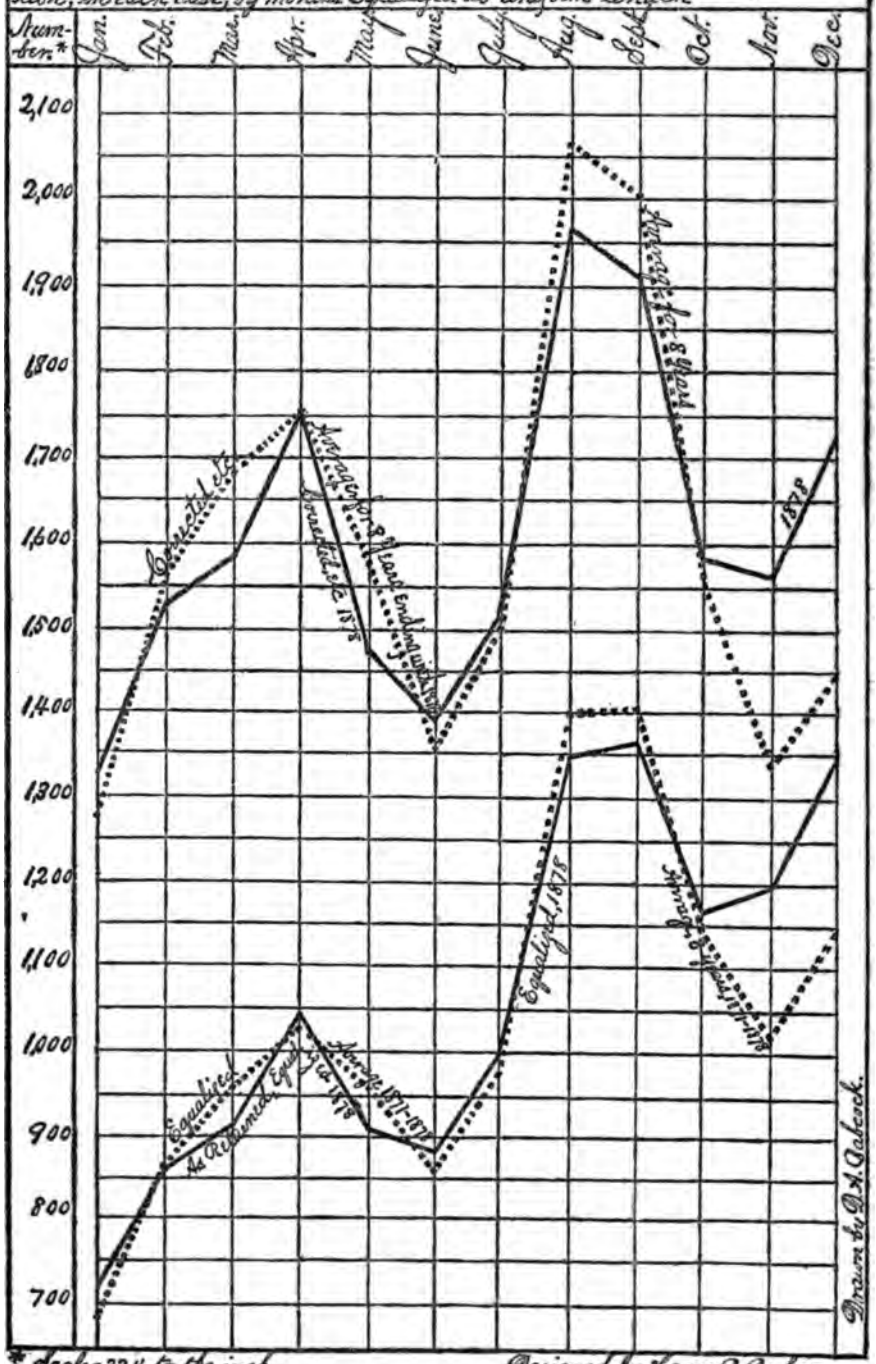
EXHIBIT D.—*Deaths during the Years 1875 to 1878, inclusive, as Corrected for Omissions in the Enumeration, Exhibiting the Number and Per Cent. of Total, by Months arranged in Order by Number, Months having the greatest number first.*

Order.	1875.			1876.			1877.			1878.		
	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.	Months.	Number.	Per Ct. of Total.
	Total...	17,289	100.00	Total...	18,389	100.00	Total..	18,341	100.00	Total...	18,866	100.00
1	Aug.....	1,699	9.83	Aug.....	2,134	11.60	Aug....	2,148	11.71	Aug.....	1,968	10.43
2	Mar.....	1,680	9.72	Sept....	1,949	10.60	Sept...	1,870	10.20	Sept....	1,863	9.87
3	Sept....	1,642	9.50	Mar.....	1,606	8.73	Oct....	1,580	8.61	Dec.....	1,700	9.01
4	Apr.....	1,568	9.07	July.....	1,578	8.58	Mar....	1,572	8.57	Apr.....	1,676	8.88
5	May.....	1,554	8.99	Apr.....	1,566	8.52	Apr....	1,512	8.24	Oct.....	1,593	8.44
6	Feb.....	1,482	8.57	May.....	1,508	8.20	July...	1,477	8.05	Mar.....	1,560	8.27
7	Oct.....	1,408	8.14	Oct.....	1,497	8.14	May...	1,468	8.00	Nov.....	1,524	8.08
8	Dec.....	1,296	7.50	Dec.....	1,420	7.72	Dec....	1,397	7.62	July.....	1,509	8.00
9	July.....	1,280	7.40	Feb.....	1,355	7.37	Feb....	1,374	7.49	May.....	1,459	7.73
10	Jan.....	1,247	7.21	June....	1,290	7.01	Nov....	1,327	7.24	Feb.....	1,362	7.22
11	June....	1,193	6.90	Nov.....	1,263	6.87	Jan....	1,281	6.98	June....	1,333	7.07
12	Nov.....	1,169	6.76	Jan.....	1,192	6.48	June..	1,279	6.97	Jan.....	1,295	6.86
	Unk.....	71	.41	Unk.....	31	.17	Unk...	56	.31	Unk.....	24	.13
	Av.....[a]	1,441	8.33	Av.....[a]	1,532	8.33	Av....[a]	1,528	8.33	Av.....[a]	1,572	8.33

[a] Including deaths in unknown month.

Diagram No. 3.

Deaths in Michigan in 1878, and Average for 8 Years ending with 1878 as Returned, and as Corrected for Omissions and Equalized for Increase of Population; in each case, by months Equalized to uniform length.



* Scale 224 to the inch.

Designed by Henry A. Baker.

EXHIBIT E.—*Deaths in Michigan during the Year 1878, as Returned, as Corrected for Omissions in Enumerating, and as thus Corrected, Equalized to Months of uniform length of 30.44 days each.*

	Total.	Months, 1878.											
		Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Deaths as returned by Registration Officers	[a] 12,742	780	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
Per cent. of deaths to be added for correction for time elapsing before enumeration	.....	77.44	72.60	67.76	62.92	58.08	53.24	48.40	43.56	38.72	33.88	29.04	24.20
Number of deaths to be added for above correction	6,100	565	573	630	647	536	463	492	597	520	403	343	331
Deaths, if enumerated in months of occurrence	18,842	1,295	1,362	1,560	1,676	1,459	1,333	1,509	1,968	1,863	1,593	1,524	1,700
Days and hundredths by which the months should be increased or diminished to equalize them to months of uniform length	.....	—.56	+2.44	—.56	+.44	—.56	+.44	—.56	—.56	+.44	—.56	+.44	—.56
Number by which the deaths should be increased or diminished to equalize them to months of uniform length	+13	—23	+119	—28	+25	—26	+20	—27	—36	+27	—29	+22	—31
Deaths, corrected and equalized to months of uniform length	18,855	1,272	1,481	1,532	1,701	1,433	1,353	1,482	1,932	1,890	1,564	1,546	1,669

[a] Excluding 24 in unknown month.

Table IV. contains data concerning deaths in Michigan in 1878, by sex and by age of decedents. It may be seen that 25.22 per cent. of all the decedents were under one year of age, and 39.32 per cent. were under five years of age. There was an excess of deaths of males under five years of age; from 5 to 45 years, the excess was of females; from 45 to 85 years, the excess was of males; and over 85 years, the excess was of females.

TABLE IV.—*Exhibiting, by Sex, and by Age in Periods of Years, the Number and Proportion of Persons Returned as having Died in Michigan during the Year 1878; also the Excess of Persons of each Sex.*

AGES IN YEARS AND PERIODS.	Number of Deaths, 1878.				Per Ct. of Deaths at Each Age to Total at All Ages.			Per Ct. of Each Sex to Total of Both Sexes.				Excess of the Sexes by Number.		Males to 100 Females.
	Total.	Males.	Females.	Unk.	Total.	Males.	Females.	Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	
All Ages...	12,766	6,632	6,082	52	100.00	100.00	100.00	52.16	47.84	4.32	.....	550	.....	109.04
Under 1....	3,219	1,766	1,405	48	25.22	26.63	23.10	55.69	44.31	11.38	.....	361	.....	125.69
1 to 2.....	739	395	343	1	5.79	5.96	5.64	53.52	46.48	7.04	.....	52	.....	115.16
2 to 3.....	470	244	226	.....	3.68	3.68	3.72	51.91	48.09	3.82	.....	18	.....	107.96
3 to 4.....	339	160	179	.....	2.66	2.41	2.94	47.20	52.80	.....	5.60	.....	19	89.39
4 to 5.....	240	133	107	.....	1.88	2.01	1.76	55.42	44.58	10.84	.....	26	.....	124.30
under 5....	5,007	2,698	2,260	49	39.22	40.68	37.16	54.42	45.58	8.84	.....	438	.....	119.38
5 to 10.....	791	385	406	.....	6.20	5.80	6.67	48.67	51.33	.....	2.66	.....	21	94.83
10 to 15.....	418	198	220	.....	3.27	2.99	3.62	47.37	52.63	.....	5.26	.....	22	90.00
15 to 20.....	490	204	286	.....	3.84	3.08	4.70	41.63	58.37	.....	16.74	.....	82	71.33
20 to 25.....	564	253	311	.....	4.42	3.81	5.11	44.86	55.14	.....	10.28	.....	58	81.35
25 to 30.....	512	224	288	.....	4.01	3.38	4.73	43.75	56.25	.....	12.50	.....	64	77.78
30 to 35.....	438	190	248	.....	3.43	2.86	4.08	43.38	56.62	.....	13.24	.....	58	76.61
35 to 40.....	416	191	225	.....	3.26	2.88	3.70	45.91	54.09	.....	8.18	.....	34	84.89
40 to 45.....	391	185	206	.....	3.06	2.79	3.39	47.31	52.69	.....	5.38	.....	21	89.81
45 to 50.....	391	209	182	.....	3.06	3.15	2.99	53.45	46.55	6.90	.....	27	.....	114.84
50 to 55.....	383	214	169	.....	3.00	3.23	2.78	55.87	44.13	11.74	.....	45	.....	126.63
55 to 60.....	444	253	191	.....	3.48	3.81	3.14	56.98	43.02	13.96	.....	62	.....	132.46
60 to 65.....	439	264	175	.....	3.44	3.98	2.88	60.14	39.86	20.28	.....	89	.....	150.86
65 to 70.....	508	300	208	.....	3.98	4.52	3.42	59.06	40.94	18.12	.....	92	.....	144.23
70 to 75.....	454	273	181	.....	3.56	4.12	2.98	60.13	39.87	20.26	.....	92	.....	150.83
75 to 80.....	427	227	200	.....	3.34	3.42	3.29	53.16	46.84	6.32	.....	27	.....	113.50
80 to 85.....	264	146	118	.....	2.07	2.20	1.94	55.30	44.70	10.60	.....	28	.....	123.73
85 to 90.....	156	72	84	.....	1.22	1.09	1.38	46.15	53.85	.....	7.70	.....	12	85.71
90 to 95.....	48	23	25	.....	.38	.35	.41	47.92	52.08	.....	4.16	.....	2	92.00
95 to 100....	16	5	11	.....	.13	.08	.18	31.25	68.75	.....	37.50	.....	6	45.45
100 and over	8	4	4	.....	.06	.06	.07	50.00	50.00	.....	.....	.....	.....	100.00
Unk. Ages.	201	114	84	3	1.57	1.72	1.38	57.58	42.42	15.16	.....	30	.....	135.71

EXHIBIT F.—*Decedents in Michigan in 1878, by Sex, and Excess of the Sexes, by Age in Years.*

AGE IN YEARS.	Decedents, 1878.				Excess.		AGE IN YEARS.	Decedents, 1878.				Excess.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
All Ages	12,766	6,632	6,082	52	550	.....	35	116	54	62	.....	.....	8
							36	83	34	49	.....	.....	15
Under 1	3,219	1,766	1,405	48	361	.....	37	61	27	34	.....	.....	7
1	739	395	343	1	52	.....	38	80	33	47	.....	.....	14
2	470	244	226	.....	18	.....	39	76	43	33	.....	10	.....
3	339	160	179	.....	.....	19	40	95	48	47	.....	1	.....
4	240	133	107	.....	26	.....	41	58	28	30	.....	.....	2
5	220	108	112	.....	.....	4	42	93	36	57	.....	.....	21
6	167	69	98	.....	.....	29	43	75	33	42	.....	.....	9
7	150	72	78	.....	.....	6	44	70	40	30	.....	10	.....
8	143	70	73	.....	.....	3	45	91	45	46	.....	.....	1
9	111	66	45	.....	21	.....	46	74	38	36	.....	2	.....
10	82	39	43	.....	.....	4	47	75	37	38	.....	.....	1
11	103	51	52	.....	.....	1	48	91	57	34	.....	23	.....
12	91	45	46	.....	.....	1	49	60	32	28	.....	4	.....
13	72	31	41	.....	.....	10	50	96	55	41	.....	14	.....
14	70	32	38	.....	.....	6	51	51	28	23	.....	5	.....
15	84	38	46	.....	.....	8	52	95	57	38	.....	19	.....
16	80	38	42	.....	.....	4	53	68	34	34	.....	.....	.....
17	99	33	66	.....	.....	33	54	73	40	33	.....	7	.....
18	120	57	63	.....	.....	6	55	96	57	39	.....	18	.....
19	107	38	69	.....	.....	31	56	98	50	48	.....	2	.....
20	116	55	61	.....	.....	6	57	83	49	34	.....	15	.....
21	92	42	50	.....	.....	8	58	93	49	44	.....	5	.....
22	125	56	69	.....	.....	13	59	74	48	26	.....	22	.....
23	122	56	66	.....	.....	10	60	89	54	35	.....	19	.....
24	109	44	65	.....	.....	21	61	63	35	28	.....	7	.....
25	106	48	58	.....	.....	10	62	87	49	38	.....	11	.....
26	118	46	72	.....	.....	26	63	102	67	35	.....	32	.....
27	89	41	48	.....	.....	7	64	98	59	39	.....	20	.....
28	133	63	70	.....	.....	7	65	108	69	39	.....	30	.....
29	66	26	40	.....	.....	14	66	97	53	44	.....	9	.....
30	100	39	61	.....	.....	22	67	101	60	41	.....	19	.....
31	73	38	35	.....	3	.....	68	110	69	41	.....	28	.....
32	80	34	46	.....	.....	12	69	92	49	43	.....	6	.....
33	99	41	58	.....	.....	17	70	107	62	45	.....	17	.....
34	86	38	48	.....	.....	10	71	74	46	28	.....	18	.....

EXHIBIT F.—CONTINUED.—*Deaths by Ages in Michigan in 1878.*

AGE IN YEARS.	DECEDENTS, 1878.				EXCESS.		AGE IN YEARS.	DECEDENTS, 1878.				EXCESS.	
	Total.	Males.	Females.	Unk.	Males.	Females.		Total.	Males.	Females.	Unk.	Males.	Females.
72	106	63	43	.....	20	.....	90	23	11	12	.....	.....	1
73	81	45	36	.....	9	.....	91	11	5	6	.....	.....	1
74	86	57	29	.....	28	.....	92	6	2	4	.....	.....	2
75	104	52	52	.....	.....	.....	93	5	4	1	.....	3	.....
76	82	48	34	.....	14	.....	94	3	1	2	.....	.....	1
77	65	33	32	.....	1	.....	95	5	2	3	.....	.....	1
78	104	55	49	.....	6	.....	96	2	2	.....	.....	2	.....
79	72	39	33	.....	6	.....	97	3	.....	3	.....	.....	3
80	67	39	28	.....	11	.....	98	5	1	4	.....	.....	3
81	47	24	23	.....	1	.....	99	1	.....	1	.....	.....	1
82	58	28	30	.....	.....	2	100	2	1	1	.....	.....	.....
83	34	20	14	.....	6	.....	102	2	1	1	.....	.....	.....
84	58	35	23	.....	12	.....	103	1	.....	1	.....	.....	1
85	33	16	17	.....	.....	1	104	1	1	.....	.....	1	.....
86	36	16	20	.....	.....	4	107	1	.....	1	.....	.....	1
87	33	18	15	.....	3	.....	116	1	1	.....	.....	1	.....
88	30	11	19	.....	.....	8	Unknown.	201	114	84	3	30	.....
89	24	11	13	.....	.....	2							

Exhibit G furnishes data for the study of the influence of seasons of year upon deaths of persons at different periods of life. Of the decedents at all ages in August, 31.87 per cent. were under one year of age, 47.70 per cent. were under five years of age, 4.52 were aged 5 to 10 years, and so on down the August column. The lines headed "Per Cent of Deaths, 1878" are read from left to right; for instance, of the 3,218 decedents aged under one year, 5.38 per cent. died in January, 5.72 per cent. in February, 7.30 per cent. in March, etc. The decedents under one year of age show the largest proportion in August as compared with the other months of the year. In April the greatest mortality seems to have been among persons aged 50 years and over, and in October the greatest proportionate mortality appears for decedents aged 20 to 50 years.

EXHIBIT G.—*The Relation of the Deaths at Different Periods of Age to Deaths at All Ages, by Months; and for the same Periods of Age, the Relation of the Deaths in each Month to the Deaths in the Year 1878, according to the Returns.*

DEATHS BY AGES IN PERIODS OF YEARS.		YEAR, 1878.[a]	MONTHS, 1878.											
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
All Ages		12,742	730	789	930	1,029	923	870	1,017	1,371	1,343	1,190	1,181	1,369
Under 1	Number	3,218	173	184	235	252	213	223	289	437	342	278	248	344
	Per Cent. of All Ages	25.26	23.70	23.32	25.27	24.49	23.08	25.63	28.42	31.87	25.47	23.36	21.00	25.13
	Per Cent. of Deaths, 1878	100.00	5.38	5.72	7.30	7.83	6.62	6.93	8.98	13.58	10.63	8.64	7.71	10.69
Under 5	Number	5,004	290	290	355	377	329	319	419	654	541	456	432	542
	Per Cent. of All Ages	39.27	39.73	36.76	38.17	36.64	35.64	36.67	41.20	47.70	40.28	38.32	36.58	32.29
	Per Cent. of Deaths, 1878	100.00	5.80	5.80	7.09	7.53	6.57	6.37	8.37	13.07	10.91	9.11	8.63	10.83
5 to 10	Number	790	38	59	56	58	48	40	42	62	99	85	98	105
	Per Cent. of All Ages	6.20	5.21	7.48	6.02	5.64	5.20	4.60	4.13	4.52	7.37	7.14	8.30	7.67
	Per Cent. of Deaths, 1878	100.00	4.81	7.47	7.09	7.34	6.08	5.06	5.32	7.85	12.53	10.76	12.41	13.29
10 to 20	Number	908	52	59	53	72	59	58	88	96	88	95	82	106
	Per Cent. of All Ages	7.13	7.12	7.48	5.70	7.00	6.39	6.67	8.65	7.00	6.55	7.98	6.94	7.74
	Per Cent. of Deaths, 1878	100.00	5.73	6.50	5.84	7.93	6.50	6.39	9.69	10.57	9.69	10.46	9.03	11.67
20 to 50	Number	2,707	164	164	228	217	215	192	246	244	260	257	258	258
	Per Cent. of All Ages	21.24	22.47	20.79	24.52	21.09	23.29	22.07	24.19	17.80	20.03	21.60	21.42	18.85
	Per Cent. of Deaths, 1878	100.00	6.06	6.06	8.42	8.02	7.94	7.09	9.09	9.01	9.94	9.49	9.35	9.53
50 and over	Number	3,142	176	201	222	286	259	241	212	297	330	285	297	336
	Per Cent. of All Ages	24.66	24.11	25.48	23.87	27.79	28.06	27.70	20.85	21.66	24.57	23.95	25.15	24.54
	Per Cent. of Deaths, 1878	100.00	5.60	6.40	7.07	9.10	8.24	7.67	6.75	9.45	10.50	9.07	9.45	10.69
Unknown Ages	Number	191	10	16	16	19	13	20	10	18	16	12	19	22
	Per Cent. of All Ages	1.50	1.37	2.03	1.72	1.85	1.41	2.30	.98	1.31	1.19	1.01	1.61	1.61
	Per Cent. of Deaths, 1878	100.00	5.24	8.38	8.38	9.95	6.81	10.47	5.24	9.42	8.38	6.28	9.95	11.52

[a] Excluding unknown month.

TABLE V.—*Exhibiting, by Sex and by Age in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year, and in each Month of the Year 1878.*

Ages in Periods of Years.	Sex.	Year, 1878.	Months, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Ages	Total	12,766	730	789	930	1029	923	870	1017	1371	1343	1190	1181	1369	24
	Males	6,632	369	407	461	562	484	441	528	726	691	607	617	727	12
	Females	6,082	356	379	466	459	437	427	488	642	645	577	562	632	12
	Unknown	52	5	3	3	8	2	2	1	3	7	6	2	10	....
All Under 1	Total	3,219	173	184	235	252	213	223	289	437	342	278	248	344	1
	Males	1,766	105	92	119	137	112	115	164	244	196	152	136	194	....
	Females	1,405	63	89	113	108	99	106	124	191	141	120	110	140	1
	Unknown	48	5	3	3	7	2	2	1	2	5	6	2	10	....
All Under 5	Total	5,007	290	290	355	377	329	319	419	654	541	456	432	542	3
	Males	2,698	165	151	178	214	172	165	217	349	305	249	227	305	1
	Females	2,260	120	136	174	156	155	152	201	303	230	201	203	227	2
	Unknown	49	5	3	3	7	2	2	1	2	6	6	2	10	....
5 to 10	Total	791	38	59	56	58	48	40	42	62	99	85	98	105	1
	Males	385	12	25	22	33	23	23	20	35	51	41	48	52	....
	Females	406	26	34	34	25	25	17	22	27	48	44	50	53	1
10 to 15	Total	418	22	21	26	36	29	20	43	41	36	44	40	60	....
	Males	198	11	15	9	17	13	9	28	19	14	18	23	22	....
	Females	220	11	6	17	19	16	11	15	22	22	26	17	38	....
15 to 20	Total	490	30	38	27	36	30	38	45	55	52	51	42	46	....
	Males	204	6	18	12	14	10	18	21	23	24	18	19	21	....
	Females	286	24	20	15	22	20	20	24	32	28	33	23	25	....
20 to 25	Total	564	32	20	46	51	54	38	52	55	54	50	54	56	2
	Males	253	20	9	20	21	30	17	23	25	18	20	26	23	1
	Females	311	12	11	26	30	24	21	29	30	36	30	28	33	1
25 to 30	Total	512	34	39	42	40	36	40	34	43	56	45	46	57	....
	Males	224	15	16	18	17	18	14	16	21	23	22	22	22	....
	Females	288	19	23	24	23	18	26	18	22	33	23	24	35	....
30 to 35	Total	438	19	35	37	33	34	27	37	42	49	40	49	34	2
	Males	190	6	18	17	16	6	16	13	22	19	13	27	16	1
	Females	248	13	17	20	17	28	11	24	20	30	27	22	18	1
35 to 40	Total	416	30	23	45	42	28	24	35	32	36	43	40	37	1
	Males	191	13	12	22	22	14	11	15	16	14	19	17	16	....
	Females	225	17	11	23	20	14	13	20	16	22	24	23	21	1
40 to 45	Total	391	20	24	29	25	35	28	47	42	37	36	32	36	....
	Males	185	6	8	17	13	12	15	21	19	23	18	14	19	....
	Females	206	14	16	12	12	23	13	26	23	14	18	18	17	....

TABLE V.—CONTINUED.—*Deaths by Periods of Age, by Sex, by Months.*

AGES IN PERIODS OF YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
45 to 50	Total	391	29	23	29	26	28	35	41	30	37	43	32	38	....
	Males	209	17	13	15	17	17	17	24	15	18	22	15	19	....
	Females	182	12	10	14	9	11	18	17	15	19	21	17	19	....
50 to 55	Total	383	24	27	19	36	22	29	36	36	49	31	30	44	....
	Males	214	12	16	14	21	13	14	21	23	28	18	15	19	....
	Females	169	12	11	5	15	9	15	15	13	21	13	15	25	....
55 to 60	Total	444	19	25	43	36	29	43	33	46	41	42	40	47	....
	Males	253	6	15	24	20	21	21	20	29	22	25	24	26	....
	Females	191	13	10	19	16	8	22	13	17	19	17	16	21	....
60 to 65	Total	439	19	32	34	52	45	36	26	44	39	39	36	36	1
	Males	264	10	20	17	34	29	22	17	26	21	22	23	23	....
	Females	175	9	12	17	18	16	14	9	18	18	17	13	13	1
65 to 70	Total	508	33	34	41	56	42	31	36	35	54	43	51	51	1
	Males	300	23	18	21	32	24	14	21	24	30	27	23	42	1
	Females	208	10	16	20	24	18	17	15	11	24	16	28	9	....
70 to 75	Total	454	20	22	35	33	36	30	31	49	45	50	45	55	3
	Males	273	12	12	28	19	24	16	17	25	24	33	30	31	2
	Females	181	8	10	7	14	12	14	14	24	21	17	15	24	1
75 to 80	Total	427	30	35	28	38	35	31	22	31	50	37	55	35	....
	Males	227	15	20	11	22	25	19	13	15	23	14	30	20	....
	Females	200	15	15	17	16	10	12	9	16	27	23	25	15	....
80 to 85	Total	264	17	14	10	24	26	20	17	31	31	25	19	30	....
	Males	146	7	5	5	16	16	11	9	19	15	15	14	14	....
	Females	118	10	9	5	8	10	9	8	12	16	10	5	16	....
85 to 90	Total	156	9	7	11	4	17	17	6	16	14	12	16	27	....
	Males	72	6	4	4	2	6	7	3	7	8	4	7	14	....
	Females	84	3	3	7	2	11	10	3	9	6	8	9	13	....
90 to 95	Total	48	4	4	1	4	3	3	5	8	5	4	3	4	....
	Males	23	2	1	1	3	1	1	3	3	3	1	2	2	....
	Females	25	2	3	....	1	2	2	2	5	2	3	1	2	....
95 to 100	Total	16	1	1	....	2	2	1	....	....	....	2	1	6	....
	Males	5	....	....	....	....	....	....	....	....	....	1	....	4	....
	Females	11	1	1	....	2	2	1	....	....	....	1	1	2	....
100 and over	Total	8	....	....	....	1	2	....	....	1	2	....	1	1	....
	Males	4	....	....	....	....	2	....	....	....	1	....	....	1	....
	Females	4	....	....	....	1	....	....	....	1	1	....	1	....	....
Unknown	Total	201	10	16	16	19	13	20	10	18	16	12	19	22	10
	Males	114	5	11	6	9	8	11	6	11	7	7	11	16	6
	Females	84	5	5	10	9	5	9	4	6	8	5	8	6	4
	Unknown	3	....	....	....	1	....	....	....	1	1	....	....	....	....

TABLE VI.—*Exhibiting, by Sex and by Months, the Number Returned as having Died in Michigan during the Year 1878 at each and every Age, the Age stated in Twelfths of a Year for those under One, and in Years for those over One Year of Age.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Under 1-12	Total	1,663	108	111	130	157	129	116	133	159	150	141	126	202	1
	Males	946	67	56	60	90	69	64	84	93	89	82	79	113	....
	Females	669	36	52	67	60	58	50	48	64	56	53	45	79	1
	Unknown	48	5	3	3	7	2	2	1	2	5	6	2	10	....
1-12	Total	238	9	11	23	7	16	13	15	43	21	25	19	36	....
	Males	125	8	6	12	2	5	9	8	26	10	14	9	16	....
	Females	113	1	5	11	5	11	4	7	17	11	11	10	20	....
2-12	Total	211	8	8	11	11	13	17	25	41	27	21	12	17	....
	Males	98	3	2	6	3	7	7	8	22	14	8	6	12	....
	Females	113	5	6	5	8	6	10	17	19	13	13	6	5	....
3-12	Total	193	6	9	16	11	5	14	21	33	24	16	21	17	....
	Males	114	4	6	8	10	3	8	13	18	16	8	8	12	....
	Females	79	2	3	8	1	2	6	8	15	8	8	13	5	....
4-12	Total	160	5	12	7	10	4	14	19	24	22	15	12	16	....
	Males	83	5	7	3	4	1	7	12	9	12	9	5	9	....
	Females	77	....	5	4	6	3	7	7	15	10	6	7	7	....
5-12	Total	117	5	6	6	6	8	11	14	23	15	7	10	6	....
	Males	60	2	2	2	3	3	2	6	14	10	7	6	3	....
	Females	57	3	4	4	3	5	9	8	9	5	....	4	3	....
6-12	Total	127	6	9	7	10	6	7	17	22	16	11	7	9	....
	Males	68	3	6	2	4	3	4	9	16	9	6	2	4	....
	Females	59	3	3	5	6	3	3	8	6	7	5	5	5	....
7-12	Total	105	3	4	9	8	6	8	12	19	12	11	5	8	....
	Males	55	2	1	8	5	5	4	6	9	4	4	2	5	....
	Females	50	1	3	1	3	1	4	6	10	8	7	3	3	....
8-12	Total	113	7	2	8	12	5	5	14	20	11	7	12	10	....
	Males	57	4	....	5	5	4	3	8	8	5	4	3	8	....
	Females	56	3	2	3	7	1	2	6	12	6	3	9	2	....
9-12	Total	102	5	4	5	7	8	5	7	20	12	12	9	8	....
	Males	54	2	3	3	2	3	2	4	12	8	7	4	4	....
	Females	48	3	1	2	5	5	3	3	8	4	5	5	4	....
10-12	Total	92	4	2	11	9	6	7	5	14	17	7	4	6	....
	Males	56	2	1	9	6	5	3	2	7	11	2	4	4	....
	Females	36	2	1	2	3	1	4	3	7	6	5	....	2	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
11-12	Total	98	7	6	2	4	7	6	7	19	15	5	11	9	----
	Males	50	3	2	1	3	4	2	4	10	8	1	8	4	----
	Females	48	4	4	1	1	3	4	3	9	7	4	3	5	----
1	Total	739	33	41	54	54	50	35	65	126	86	79	50	64	2
	Males	395	19	25	29	36	27	15	26	58	49	43	28	39	1
	Females	343	14	16	25	18	23	20	39	68	36	36	22	25	1
	Unknown	1	----	----	----	----	----	----	----	----	1	----	----	----	----
2	Total	470	41	24	32	30	29	22	33	46	58	44	53	58	----
	Males	244	20	13	15	18	17	15	12	24	26	31	25	28	----
	Females	226	21	11	17	12	12	7	21	22	32	13	28	30	----
3	Total	339	22	25	16	20	26	21	22	31	30	34	49	43	----
	Males	160	10	12	8	14	12	8	9	16	19	17	18	17	----
	Females	179	12	13	8	6	14	13	13	15	11	17	31	26	----
4	Total	240	21	16	18	21	11	18	10	14	25	21	32	33	----
	Males	133	11	9	7	9	4	12	6	7	15	6	20	27	----
	Females	107	10	7	11	12	7	6	4	7	10	15	12	6	----
5	Total	220	6	16	14	10	12	10	14	18	27	18	37	38	----
	Males	108	----	6	5	6	5	7	6	10	12	15	16	20	----
	Females	112	6	10	9	4	7	3	8	8	15	3	21	18	----
6	Total	167	12	12	12	15	9	10	6	8	20	23	17	22	1
	Males	69	3	5	4	5	3	6	3	2	12	8	8	10	----
	Females	98	9	7	8	10	6	4	3	6	8	15	9	12	1
7	Total	150	5	14	9	16	12	8	3	14	22	12	16	19	----
	Males	72	2	5	2	10	5	3	2	10	12	4	7	10	----
	Females	78	3	9	7	6	7	5	1	4	10	8	9	9	----
8	Total	143	11	10	15	11	9	5	11	15	17	15	15	9	----
	Males	70	5	6	7	9	5	3	4	8	9	5	6	3	----
	Females	73	6	4	8	2	4	2	7	7	8	10	9	6	----
9	Total	111	4	7	6	6	6	7	8	7	13	17	13	17	----
	Males	66	2	3	4	3	5	4	5	5	6	9	11	9	----
	Females	45	2	4	2	3	1	3	3	2	7	8	2	8	----
10	Total	82	5	4	5	6	7	3	11	7	9	6	7	12	----
	Males	39	3	2	2	2	3	1	9	4	2	3	4	4	----
	Females	43	2	2	3	4	4	2	2	3	7	3	3	8	----
11	Total	103	3	9	10	8	8	2	8	9	9	12	8	17	----
	Males	51	2	7	3	6	4	1	4	5	6	3	4	6	----
	Females	52	1	2	7	2	4	1	4	4	3	9	4	11	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
12	Total	91	5	5	5	7	4	4	9	13	4	11	13	11	----
	Males	45	2	3	2	4	3	------	6	5	3	7	8	2	----
	Females	46	3	2	3	3	1	4	3	8	1	4	5	9	----
13	Total	72	3	1	3	8	6	5	5	6	10	9	5	11	----
	Males	31	1	1	2	4	2	2	4	2	1	5	2	5	----
	Females	41	2	----	1	4	4	3	1	4	9	4	3	6	----
14	Total	70	6	2	3	7	4	6	10	6	4	6	7	9	----
	Males	32	3	2	------	1	1	5	5	3	2	----	5	5	----
	Females	38	3	----	3	6	3	1	5	3	2	6	2	4	----
15	Total	84	5	5	3	6	6	8	8	11	11	6	8	7	----
	Males	38	2	2	1	2	3	4	4	3	4	4	4	5	----
	Females	46	3	3	2	4	3	4	4	8	7	2	4	2	----
16	Total	80	5	8	5	3	7	3	7	9	9	11	6	7	----
	Males	38	2	3	3	1	3	2	3	6	3	5	1	6	----
	Females	42	3	5	2	2	4	1	4	3	6	6	5	1	----
17	Total	99	5	8	9	9	1	5	13	13	11	7	7	11	----
	Males	33	----	4	4	3	------	1	4	4	6	1	3	3	----
	Females	66	5	4	5	6	1	4	9	9	5	6	4	8	----
18	Total	120	7	13	4	7	7	11	9	16	12	13	11	10	----
	Males	57	1	7	2	4	3	8	5	7	6	5	5	4	----
	Females	63	6	6	2	3	4	3	4	9	6	8	6	6	----
19	Total	107	8	4	6	11	9	11	8	6	9	14	10	11	----
	Males	38	1	2	2	4	1	3	5	3	5	3	6	3	----
	Females	69	7	2	4	7	8	8	3	3	4	11	4	8	----
20	Total	116	8	6	5	10	12	6	9	11	17	7	15	10	----
	Males	55	7	2	3	2	8	1	3	7	5	3	8	6	----
	Females	61	1	4	2	8	4	5	6	4	12	4	7	4	----
21	Total	92	6	2	6	6	7	5	9	12	6	7	11	14	1
	Males	42	3	1	2	2	4	3	4	6	2	4	6	5	----
	Females	50	3	1	4	4	3	2	5	6	4	3	5	9	1
22	Total	125	11	4	15	10	14	12	11	9	8	12	10	9	----
	Males	56	5	2	4	7	5	7	5	3	2	6	6	4	----
	Females	69	6	2	11	3	9	5	6	6	6	6	4	5	----
23	Total	122	4	4	12	13	9	8	12	13	14	11	8	13	1
	Males	56	3	2	8	5	6	5	6	5	6	3	2	4	1
	Females	66	1	2	4	8	3	3	6	8	8	8	6	9	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
24	Total	109	3	4	8	12	12	7	11	10	9	13	10	10	....
	Males	44	2	2	3	5	7	1	5	4	3	4	4	4	....
	Females	65	1	2	5	7	5	6	6	6	6	9	6	6	....
25	Total	106	10	7	10	7	11	8	9	11	11	5	8	9	....
	Males	48	3	3	4	2	8	2	5	7	5	3	4	2	....
	Females	58	7	4	6	5	3	6	4	4	6	2	4	7	....
26	Total	118	3	12	9	8	7	10	10	8	11	12	14	14	....
	Males	46	2	6	2	4	3	5	.....	4	6	5	5	4	....
	Females	72	1	6	7	4	4	5	10	4	5	7	9	10	....
27	Total	89	8	6	6	13	3	7	5	6	14	12	1	8	....
	Males	41	3	2	4	6	.....	1	4	3	7	6	....	5	....
	Females	48	5	4	2	7	3	6	1	3	7	6	1	3	....
28	Total	133	8	9	13	6	9	11	8	14	12	12	17	14	....
	Males	63	5	4	8	3	5	3	5	5	3	5	9	8	....
	Females	70	3	5	5	3	4	8	3	9	9	7	8	6	....
29	Total	66	5	5	4	6	6	4	2	4	8	4	6	12	....
	Males	26	2	1	.....	2	2	3	2	2	2	3	4	3	....
	Females	40	3	4	4	4	4	1	.....	2	6	1	2	9	....
30	Total	100	5	6	7	8	7	10	8	9	14	5	14	7	....
	Males	39	2	3	2	4	1	4	2	4	5	2	6	4	....
	Females	61	3	3	5	4	6	6	6	5	9	3	8	3	....
31	Total	73	2	7	13	4	1	3	6	9	7	8	6	6	1
	Males	38	....	3	6	2	.....	2	2	7	2	3	6	4	1
	Females	35	2	4	7	2	1	1	4	2	5	5	....	2	....
32	Total	80	5	7	4	6	12	7	4	8	7	7	7	5	1
	Males	34	1	2	2	3	3	6	3	3	3	2	5	1	....
	Females	46	4	5	2	3	9	1	1	5	4	5	2	4	1
33	Total	99	3	11	6	7	7	5	9	5	14	10	15	7	....
	Males	41	....	6	3	4	1	3	1	3	5	4	8	3	....
	Females	58	3	5	3	3	6	2	8	2	9	6	7	4	....
34	Total	86	4	4	7	8	7	2	10	11	7	10	7	9	....
	Males	38	3	4	4	3	1	1	5	5	4	2	2	4	....
	Females	48	1	....	3	5	6	1	5	6	3	8	5	5	....
35	Total	116	9	9	11	11	7	4	9	13	11	13	9	10	....
	Males	54	2	4	4	6	4	2	4	5	3	10	4	6	....
	Females	62	7	5	7	5	3	2	5	8	8	3	5	4	....
36	Total	83	6	6	7	9	7	8	4	10	4	4	10	7	1
	Males	34	2	3	4	4	4	5	1	4	.....	1	5	1	....
	Females	49	4	3	3	5	3	3	3	6	4	3	5	6	1

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
37	Total	61	7	3	6	4	4	6	12	2	2	5	9	1	----
	Males	27	5	1	2	3	2	1	4	1	1	3	3	1	----
	Females	34	2	2	4	1	2	5	8	1	1	2	6	----	----
38	Total	80	5	2	11	8	4	2	4	4	13	11	5	11	----
	Males	33	2	1	7	5	1	1	2	3	5	1	2	3	----
	Females	47	3	1	4	3	3	1	2	1	8	10	3	8	----
39	Total	76	3	3	10	10	6	4	6	3	6	10	7	8	----
	Males	43	2	3	5	4	3	2	4	3	5	4	3	5	----
	Females	33	1	----	5	6	3	2	2	------	1	6	4	3	----
40	Total	95	4	5	9	7	3	8	9	16	7	12	6	9	----
	Males	48	1	1	7	5	2	2	4	7	6	8	3	2	----
	Females	47	3	4	2	2	1	6	5	9	1	4	3	7	----
41	Total	58	3	4	4	3	3	4	8	5	8	4	6	6	----
	Males	28	2	1	2	1	------	1	4	3	6	2	1	5	----
	Females	30	1	3	2	2	3	3	4	2	2	2	5	1	----
42	Total	93	7	7	9	6	9	8	10	8	8	6	8	7	----
	Males	36	1	2	4	3	1	6	4	3	3	2	4	3	----
	Females	57	6	5	5	3	8	2	6	5	5	4	4	4	----
43	Total	75	4	6	1	6	10	2	12	10	6	7	6	5	----
	Males	33	1	4	1	3	4	1	3	4	3	2	4	3	----
	Females	42	3	2	------	3	6	1	9	6	3	5	2	2	----
44	Total	70	2	2	6	3	10	6	8	3	8	7	6	9	----
	Males	40	1	----	3	1	5	5	6	2	5	4	2	6	----
	Females	30	1	2	3	2	5	1	2	1	3	3	4	3	----
45	Total	91	4	2	11	7	5	12	7	7	9	8	11	8	----
	Males	45	3	1	4	3	2	3	5	6	3	4	7	4	----
	Females	46	1	1	7	4	3	9	2	1	6	4	4	4	----
46	Total	74	10	7	5	5	4	7	3	7	5	12	5	4	----
	Males	38	5	4	3	4	3	3	3	3	1	6	2	1	----
	Females	36	5	3	2	1	1	4	------	4	4	6	3	3	----
47	Total	75	3	5	5	4	8	4	8	7	10	8	4	9	----
	Males	37	1	3	3	2	5	2	2	3	7	5	1	3	----
	Females	38	2	2	2	2	3	2	6	4	3	3	3	6	----
48	Total	91	7	4	3	6	9	9	12	8	6	10	3	14	----
	Males	57	5	2	2	5	6	6	8	3	3	5	2	10	----
	Females	34	2	2	1	1	3	3	4	5	3	5	1	4	----
49	Total	60	5	5	5	4	2	3	11	1	7	5	9	3	----
	Males	32	3	3	3	3	1	3	6	------	4	2	3	1	----
	Females	28	2	2	2	1	1	------	5	1	3	3	6	2	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

Ages in Years.	Sex.	Year, 1878.	Months, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
50	Total	96	2	7	5	6	4	9	13	8	13	9	7	13	....
	Males	55	1	5	4	2	4	4	9	6	10	4	3	3	....
	Females	41	1	2	1	4	.....	5	4	2	3	5	4	10	....
51	Total	51	6	1	2	8	4	5	3	2	3	6	4	7	....
	Males	28	3	1	.....	5	2	3	2	2	2	6	2	....	....
	Females	23	3	....	2	3	2	2	1	.....	1	....	2	7	....
52	Total	95	7	5	7	10	7	4	8	11	10	7	9	10	....
	Males	57	3	4	6	6	2	3	5	8	5	4	4	7	....
	Females	38	4	1	1	4	5	1	3	3	5	3	5	3	....
53	Total	68	4	6	1	7	3	6	5	7	10	4	7	8	....
	Males	34	2	4	1	5	1	1	2	3	3	3	4	5	....
	Females	34	2	2	.....	2	2	5	3	4	7	1	3	3	....
54	Total	73	5	8	4	5	4	5	7	8	13	5	2	6	....
	Males	40	3	2	3	3	4	3	3	4	8	1	2	4	....
	Females	33	2	6	1	2	.....	2	4	4	5	4	1	2	....
55	Total	96	4	3	6	7	8	11	11	13	10	6	7	10	....
	Males	57	1	3	3	5	5	7	8	9	5	3	3	5	....
	Females	39	3	....	3	2	3	4	3	4	5	3	4	5	....
56	Total	98	9	5	9	5	2	13	6	11	8	7	11	12	....
	Males	50	2	2	4	2	1	5	3	7	4	5	7	8	....
	Females	48	7	3	5	3	1	8	3	4	4	2	4	4	....
57	Total	83	3	6	13	6	7	3	3	9	8	8	9	8	....
	Males	49	1	2	9	4	6	1	2	6	3	4	6	5	....
	Females	34	2	4	4	2	1	2	1	3	5	4	3	3	....
58	Total	93	2	6	5	9	7	11	7	7	9	12	8	10	....
	Males	49	1	4	3	4	5	6	3	5	5	6	4	3	....
	Females	44	1	2	2	5	2	5	4	2	4	6	4	7	....
59	Total	74	1	5	10	9	5	5	6	6	6	9	5	7	....
	Males	48	1	4	5	5	4	2	4	2	5	7	4	5	....
	Females	26	....	1	5	4	1	3	2	4	1	2	1	2	....
60	Total	89	3	4	6	10	9	8	4	11	6	13	9	6	....
	Males	54	....	4	4	6	4	4	3	6	3	10	6	4	....
	Females	35	3	....	2	4	5	4	1	5	3	3	3	2	....
61	Total	63	3	3	1	11	6	6	4	5	7	7	8	2	....
	Males	35	1	2	.....	8	3	4	4	1	3	3	4	2	....
	Females	28	2	1	1	3	3	2	.....	4	4	4	4	....	....
62	Total	87	3	11	7	10	8	9	8	8	5	5	6	7	....
	Males	49	2	6	3	9	5	7	4	2	2	2	3	4	....
	Females	38	1	5	4	1	3	2	4	6	3	3	3	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
63	Total	102	5	8	9	10	12	9	2	11	11	5	6	13	1
	Males	67	4	5	4	6	9	5	1	10	9	3	5	6	----
	Females	35	1	3	5	4	3	4	1	1	2	2	1	7	1
64	Total	98	5	6	11	11	10	4	8	9	10	9	7	8	----
	Males	59	3	3	6	5	8	2	5	7	4	4	5	7	----
	Females	39	2	3	5	6	2	2	3	2	6	5	2	1	----
65	Total	108	11	9	12	7	5	4	11	11	9	8	11	10	----
	Males	69	10	3	6	4	3	3	6	8	8	6	3	9	----
	Females	39	1	6	6	3	2	1	5	3	1	2	8	1	----
66	Total	97	9	5	6	14	6	3	8	8	9	6	13	10	----
	Males	53	5	3	2	7	4	------	5	6	3	3	6	9	----
	Females	44	4	2	4	7	2	3	3	2	6	3	7	1	----
67	Total	101	5	11	6	11	7	4	6	5	16	9	9	12	----
	Males	60	3	5	4	6	3	1	4	2	9	7	6	10	----
	Females	41	2	6	2	5	4	3	2	3	7	2	3	2	----
68	Total	110	4	3	13	13	12	7	8	5	14	13	7	11	----
	Males	69	3	3	8	9	7	5	6	4	8	6	3	7	----
	Females	41	1	----	5	4	5	2	2	1	6	7	4	4	----
69	Total	92	4	6	4	11	12	13	3	6	6	7	11	8	1
	Males	49	2	4	1	6	7	5	------	4	2	5	5	7	1
	Females	43	2	2	3	5	5	8	3	2	4	2	6	1	----
70	Total	107	3	4	8	5	6	7	8	12	14	10	16	12	2
	Males	62	3	2	7	3	5	4	3	8	5	6	8	7	1
	Females	45	----	2	1	2	1	3	5	4	9	4	8	5	1
71	Total	74	6	3	6	3	12	5	4	9	5	7	4	10	----
	Males	46	3	1	4	1	9	3	3	5	2	5	3	7	----
	Females	28	3	2	2	2	3	2	1	4	3	2	1	3	----
72	Total	106	5	4	8	8	10	9	7	9	9	11	14	12	----
	Males	63	4	1	6	5	5		4	4	5	7	11	6	----
	Females	43	1	3	2	3	5	4	3	5	4	4	3	6	----
73	Total	81	3	1	4	6	4	5	8	9	12	13	6	10	----
	Males	45	1	1	3	3	2	2	4	2	8	9	5	5	----
	Females	36	2	----	1	3	2	3	4	7	4	4	1	5	----
74	Total	86	3	10	9	11	4	4	4	10	5	9	5	11	1
	Males	57	1	7	8	7	3	2	3	6	4	6	3	6	1
	Females	29	2	3	1	4	1	2	1	4	1	3	2	5	----
75	Total	104	9	10	8	5	6	10	2	9	10	12	17	6	----
	Males	52	2	6	4	3	3	5	2	4	6	3	11	3	----
	Females	52	7	4	4	2	3	5	------	5	4	9	6	3	----

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
	Total	82	3	6	3	5	11	4	9	3	13	9	10	6	....
76	Males	48	1	3	2	2	9	4	5	2	5	6	5	4	....
	Females	34	2	3	1	3	2	.....	4	1	8	3	5	2	....
	Total	65	5	6	4	12	5	3	3	5	3	5	7	7	....
77	Males	33	2	3	1	6	5	3	1	2	3	2	3	2	....
	Females	32	3	3	3	6	.....	.....	2	3	.....	3	4	5	....
	Total	104	11	9	8	11	10	8	3	7	13	6	10	8	....
78	Males	55	9	5	.....	7	7	3	2	2	6	2	6	6	....
	Females	49	2	4	8	4	3	5	1	5	7	4	4	2	....
	Total	72	2	4	5	5	3	6	5	7	11	5	11	8	....
79	Males	39	1	3	4	4	1	4	3	5	3	1	5	5	....
	Females	33	1	1	1	1	2	2	2	2	8	4	6	3	....
	Total	67	4	6	3	7	8	5	4	7	4	7	4	8	....
80	Males	39	2	3	2	5	6	4	1	3	2	4	3	4	....
	Females	28	2	3	1	2	2	1	3	4	2	3	1	4	....
	Total	47	3	1	1	4	5	6	2	9	7	1	4	4	....
81	Males	24	1	....	.....	2	3	3	1	7	2	....	2	3	....
	Females	23	2	1	1	2	2	3	1	2	5	1	2	1	....
	Total	58	6	2	4	7	4	3	5	8	7	5	4	3	....
82	Males	28	2	....	2	5	2	1	3	5	3	1	2	2	....
	Females	30	4	2	2	2	2	2	2	3	4	4	2	1	....
	Total	34	2	1	2	2	3	2	3	1	4	5	4	5	....
83	Males	20	1	....	1	.....	1	1	3	1	3	4	4	1	....
	Females	14	1	1	1	2	2	1	.....	.....	1	1	....	4	....
	Total	58	2	4	.....	4	6	4	3	6	9	7	3	10	....
84	Males	35	1	2	.....	4	4	2	1	3	5	6	3	4	....
	Females	23	1	2	.....	.....	2	2	2	3	4	1	....	6	....
	Total	33	1	1	3	1	3	5	1	4	2	....	4	8	....
85	Males	16	1	1	.....	1	1	4	1	1	2	....	2	2	....
	Females	17	....	....	3	.....	2	1	.....	3	.....	....	2	6	....
	Total	36	1	1	3	.....	5	3	.....	2	5	3	8	5	....
86	Males	16	1	1	1	.....	2	1	.....	1	1	2	3	3	....
	Females	20	....	....	2	.....	3	2	.....	1	4	1	5	2	....
	Total	33	1	1	1	1	6	4	3	5	1	3	1	6	....
87	Males	18	1	....	1	1	3	1	2	3	1	1	1	3	....
	Females	15	....	1	.....	.....	3	3	1	2	.....	2	....	3	....

TABLE VI.—CONTINUED.—*Deaths by Ages, by Sex, by Months.*

AGES IN YEARS.	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
88	Total	30	3	3	2	2	2	3	----	2	2	6	1	4	----
	Males	11	2	1	1	----	----	1	----	----	----	1	1	4	----
	Females	19	1	2	1	2	2	2	----	2	2	5	----	----	----
89	Total	24	3	1	2	----	1	2	2	3	4	----	2	4	----
	Males	11	1	1	1	----	----	----	----	2	4	----	----	2	----
	Females	13	2	----	1	----	1	2	2	1	----	----	2	2	----
90	Total	23	2	1	1	2	2	1	3	2	2	1	3	3	----
	Males	11	1	----	1	2	1	----	1	----	2	----	2	1	----
	Females	12	1	1	----	----	1	1	2	2	----	1	1	2	----
91	Total	11	----	2	----	1	1	1	----	4	1	----	----	1	----
	Males	5	----	1	----	1	----	----	----	2	----	----	----	1	----
	Females	6	----	1	----	----	1	1	----	2	1	----	----	----	----
92	Total	6	1	1	----	1	----	----	----	1	1	1	----	----	----
	Males	2	----	----	----	----	----	----	----	----	1	1	----	----	----
	Females	4	1	1	----	1	----	----	----	1	----	----	----	----	----
93	Total	5	1	----	----	----	----	1	2	----	----	1	----	----	----
	Males	4	1	----	----	----	----	1	2	----	----	----	----	----	----
	Females	1	----	----	----	----	----	----	----	----	----	1	----	----	----
94	Total	3	----	----	----	----	----	----	----	1	1	1	----	----	----
	Males	1	----	----	----	----	----	----	----	1	----	----	----	----	----
	Females	2	----	----	----	----	----	----	----	----	1	1	----	----	----
95	Total	5	----	1	----	1	1	----	----	----	----	----	----	2	----
	Males	2	----	----	----	----	----	----	----	----	----	----	----	2	----
	Females	3	----	1	----	1	1	----	----	----	----	----	----	----	----
96	Males	2	----	----	----	----	----	----	----	----	----	1	----	1	----
97	Females	3	----	----	----	----	----	----	----	----	----	1	1	1	----
98	Total	5	1	----	----	1	1	1	----	----	----	----	----	1	----
	Males	1	----	----	----	----	----	----	----	----	----	----	----	1	----
	Females	4	1	----	----	1	1	1	----	----	----	----	----	----	----
99	Females	1	----	----	----	----	----	----	----	----	----	----	----	1	----
100	Total	2	----	----	----	----	1	----	----	----	1	----	----	----	----
	Males	1	----	----	----	----	1	----	----	----	----	----	----	----	----
	Females	1	----	----	----	----	----	----	----	----	1	----	----	----	----
102	Total	2	----	----	----	----	----	----	----	----	1	----	1	----	----
	Males	1	----	----	----	----	----	----	----	----	1	----	----	----	----
	Females	1	----	----	----	----	----	----	----	----	----	----	1	----	----

TABLE VI.—CONTINUED.—*Deaths by Age, by Sex, by Months.*

AGES IN YEARS,	SEX.	YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
103	Females	1	----	----	------	------	------	------	------	1	------	----	----	----	----
104	Males	1	----	----	------	------	------	------	------	------	------	----	----	1	----
107	Females	1	----	----	------	1	------	------	------	------	------	----	----	----	----
116	Males	1	----	----	------	------	1	------	------	------	------	----	----	----	----
Unknown	Total	201	10	16	16	19	13	20	10	18	16	12	19	22	10
	Males	114	5	11	6	9	8	11	6	11	7	7	11	16	6
	Females	84	5	5	10	9	5	9	4	6	8	5	8	6	4
	Unknown	3	----	----	------	1	------	------	------	1	1	----	----	----	----

INFANT MORTALITY.

This subject may be studied in Exhibits F and G, and Tables IV., V., and VI., on preceding pages, also in Exhibits 2, 3, 4, and 5, and Table VIII., following.

More still-births were returned for the year 1878 than for any previous year. Of all the deaths returned for the year 1878, 6.21 per cent. were still-births, and 2.26 per cent. of all the children born were still-born.

EXHIBIT 2.—*The Relation of Still-births to All Persons Returned as having Died in Michigan during the several Years 1873 to 1878, inclusive, according to the Returns of Deaths for the Year 1873, and as per Returns of Deaths corrected by Returns of Births for the Years 1874 to 1878, inclusive.*

	TOTAL DEATHS AND STILL-BIRTHS.					
	1873.	1874.	1875.	1876.	1877.	1878.
Total Number of Deaths	14,258	12,500	11,990	12,576	12,919	12,766
Number of Still-births	* 274	464	629	646	720	793
Per Cent. of Still-births to Total Deaths	1.22	3.71	5.25	5.14	5.57	6.21

* As per returns of deaths.

TABLE VIII.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1878; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*[a]

Months in which Births and Deaths Occurred.	Number Born in Each Month of Year of Death.				Number of Children who Died at Each Age in Months.												Number Born in each Month of Year Previous to Year of Death.			Deaths by Months.					
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	Of those Born in Year of Death.		Of those Born in Previous Year.		All Aged under One Year.	
																				Sex.	Total.	Sex.	Total.	Sex.	Total.
January	1878.	223	Males	130	67	8	3	4	5	2	3	2	4	2	2	3	------	------	1877.	67	103	38	65	105	168
			Females	93	36	1	5	2	..	3	3	1	3	3	2	4	------	------		36		27		63	
February		231	Males	119	56	6	2	6	7	2	6	1	..	3	1	2	3	7		62	119	30	62	92	181
			Females	112	52	5	6	3	5	4	3	3	2	1	1	4	4			57		32		89	
March		250	Males	123	60	12	6	8	3	2	2	8	5	3	9	1	4	10		78	161	41	71	119	232
			Females	127	67	11	5	8	4	4	5	1	3	2	2	1	6			83		30		113	
April		269	Males	150	90	2	3	10	4	3	4	5	5	2	6	3	4	9		105	179	32	66	137	245
			Females	119	60	5	8	1	6	3	6	3	7	5	3	1	5			74		34		108	
May		242	Males	130	69	5	7	3	1	3	3	5	4	3	5	4	19	26		85	165	27	46	112	211
			Females	112	58	11	6	2	3	5	3	1	1	5	1	3	7			80		19		99	
June		228	Males	129	64	9	7	8	7	2	4	4	3	2	3	2	15	26		97	183	18	38	115	221
			Females	99	50	4	10	6	7	9	3	4	2	3	4	4	11			86		20		106	
July		236	Males	140	84	8	8	13	12	6	9	6	8	4	2	4	18	37		140	243	24	45	164	288
			Females	96	48	7	17	8	7	8	8	6	6	3	3	3	19			103		21		124	
August		236	Males	128	93	26	22	18	9	14	16	9	8	12	7	10	31	57		207	362	37	73	244	435
			Females	108	64	17	19	15	15	9	6	10	12	8	7	9	26			155		36		191	
September		199	Males	121	89	10	14	16	12	10	9	4	5	8	11	8	32	60		169	293	27	44	196	337
			Females	78	56	11	13	8	10	5	7	8	6	4	6	7	28			124		17		141	
October		171	Males	103	82	14	8	8	9	7	6	4	4	7	2	1	44	81		149	260	3	12	152	272
			Females	68	53	11	13	8	6	..	5	7	3	5	5	4	37			111		9		120	
November		160	Males	95	79	9	6	8	5	6	2	2	3	4	4	8	54	100		128	235	8	11	136	246
			Females	65	45	10	6	13	7	4	5	3	9	5	..	3	46			107		3		110	
December		192	Males	113	113	16	12	12	9	3	4	5	8	4	4	4	61	120		194	334	------	------	194	334
			Females	79	79	20	5	5	7	3	5	3	2	4	2	5	59			140		------		140	

Deaths by Ages.																										
Of those Born in Year of Death.	1878.		Males....	1,481	946	117	93	96	64	48	46	24	20	15	8	4	.....	.....	.....	1,481						
			Females.	1,156	668	112	102	66	62	38	36	31	20	14	2	5	.....	.....	.....	1,156						
		2,637	Total....	2,637	1614	229	195	162	126	86	82	55	40	29	10	9	.....	.....	.....	.....	2,637					
Of those Born in Previous Year.	1877.		Males....	.....	....	8	5	18	19	12	22	31	37	39	48	46	285	.....	.....	.....	.....	285				
			Females.	.....	....	1	11	13	15	19	23	19	36	34	34	43	248	.....	.....	.....	.....	248				
			Total....	533	....	9	16	31	34	31	45	50	73	73	82	89	.....	533	.....	.....	.....		533			
All aged under One Year.			Males....	.....	946	125	98	114	83	60	68	55	57	54	56	50	.....	.....	.....	.....	.....	.....	.....	1,766		
			Females.	.....	668	113	113	79	77	57	59	50	56	48	36	48	.....	.....	.....	.....	.....	.....	.....	1,404		
			Total....	3,170	1614	238	211	193	160	117	127	105	113	102	92	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,170

* Excluding 1 female, month of death unknown; and 48 deaths of persons of unknown sex,—49 in all.

Exhibit 3 shows, by sex, the number of children who were born in each month of the year 1877 and died during each month of 1877, the number born in each month of 1877 who died in the months of 1878 under one year of age, the total number born in each month of 1877 who died aged under one year, and, by months, the per cent. of deaths of children aged under one year who were born in 1877 to all children born in 1877. Of the children born in 1877 who died aged under one year 83.47 per cent. died during the year 1877—the year of birth—and 16.53 per cent. lived into the succeeding year. An examination of the exhibit shows that the per cent. of deaths of children aged under one year to the children born is greatest for February and least for September. Of the children born in 1877 who died aged under one year, the per cent. is greater among males than among females.

EXHIBIT 3.—*Of the Children Born in 1877, according to the Returns, the Number who Died during the Year 1877; the Number who Died during the Year 1878, under One Year of Age; The Total Number who Died under One Year of Age; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1877.*

MONTHS OF BIRTH AND OF DEATH.	Births in 1877, as Returned.	Children Born in 1877.				Births of Males in 1877, as Returned.	Males Born in 1877.				Births of Females in 1877, as Returned.	Females Born in 1877.			
		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
Total.....[a]	33,324	2,692	533	3,225	9.68	17,193	1,551	285	1,836	10.68	16,077	1,141	248	1,389	8.64
January.....	2,212	245	.....	245	11.08	1,187	139	.....	139	11.71	1,021	106	.....	106	10.38
February.....	2,246	289	7	296	13.18	1,192	164	3	167	14.01	1,053	125	4	129	12.25
March.....	2,690	290	10	300	11.15	1,372	168	4	172	12.54	1,308	122	6	128	9.79
April.....	2,655	253	9	262	9.87	1,421	157	4	161	11.33	1,229	96	5	101	8.22
May.....	2,683	245	26	271	10.10	1,314	143	19	162	12.33	1,365	102	7	109	7.99
June.....	2,657	226	26	252	9.48	1,331	132	15	147	11.04	1,323	94	11	105	7.94
July.....	2,399	227	37	264	9.11	1,514	125	18	143	9.45	1,381	102	19	121	8.76
August.....	3,227	237	57	294	9.11	1,664	134	31	165	9.92	1,560	103	26	129	8.27
September.....	3,048	174	60	234	7.68	1,530	86	32	118	7.71	1,514	88	28	116	7.66
October.....	3,015	175	81	256	8.49	1,591	114	44	158	9.93	1,423	61	37	98	6.89
November.....	2,847	151	100	251	8.92	1,446	88	54	142	9.82	1,393	66	46	112	8.04
December.....	3,145	177	120	297	9.44	1,631	101	61	162	9.93	1,507	76	59	135	8.96

[a] Excluding 71 in unknown month,—34 males, 32 females, and 5 unknown sex.

MONTHS OF BIRTH, 1877.	Born in 1877. Died under 1 Year of Age.	Months of Death, 1877. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Months of Death, 1878. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Per Cent. Died Aged under 1 month. a	Births in 1876, as Returned b	Per Cent. of Children who Died aged under 1 month to all Children born. c
Born in 1877, died age under 1 Yr.	3,225	93	146	178	153	159	153	239	445	328	287	221	290	65	62	71	66	46	38	45	73	44	12	11	....	.....	33,324	.....
January	245	93	24	16	14	9	10	9	26	13	19	11	1	..	....	....	....	....	....	....	....	....	....	....	....	37.96	2,212	4.20
February	296	....	122	15	13	9	10	21	56	25	8	5	5	7	..	....	....	....	....	....	....	....	....	....	....	41.22	2,246	5.43
March	300	....	....	147	15	11	5	21	36	27	15	6	7	4	6	..	....	....	....	....	....	....	....	....	....	49.00	2,690	5.46
April	262	....	....	....	111	12	8	23	45	19	18	9	8	5	2	2	..	....	....	....	....	....	....	....	....	42.37	2,655	4.18
May	271	....	....	....	....	118	12	30	39	21	12	7	6	7	4	11	4	..	....	....	....	....	....	....	....	43.54	2,683	4.40
June	252	....	....	....	....	....	108	15	40	28	15	7	13	3	2	5	9	7	..	....	....	....	....	....	....	42.86	2,657	4.06
July	264	....	....	....	....	....	....	120	41	40	15	2	9	6	4	8	7	6	6	..	....	....	....	....	....	45.45	2,899	4.14
August	294	....	....	....	....	....	....	....	162	37	19	5	14	5	9	9	12	8	7	7	..	....	....	....	....	55.10	3,227	5.02
September	234	....	....	....	....	....	....	....	....	118	19	18	19	5	6	7	8	5	5	5	19	..	....	....	....	50.43	3,048	3.87
October	256	....	....	....	....	....	....	....	....	....	147	18	10	6	12	6	10	6	5	7	14	15	..	....	....	57.42	3,015	4.87
November	254	....	....	....	....	....	....	....	....	....	....	133	21	8	9	7	6	6	8	14	20	17	5	..	....	52.36	2,847	4.67
December	297	....	....	....	....	....	....	....	....	....	....	....	177	9	8	16	10	8	7	12	20	12	7	11	..	60.00	3,145	5.63
Deaths at each Age. No. of Deaths	3,225	....	....	....	....	....	....	....	....	....	....	....	....	1556	238	221	188	171	145	175	131	108	104	98	90	48.25	.....	4.67
Deaths at each Age. Ages in Months	.....	....	....	....	....	....	....	....	....	....	....	....	....	-1	1	2	3	4	5	6	7	8	9	10	11	.....	.....	.....

a That is, per cent. of children who died during month of birth to total born in 1877 who died aged under one year.
b Excluding 71 in unknown month,—34 males, 32 females, and 5 of unknown sex.
c That is, of the children born in 1877, the per cent. who died during month of birth,—according to the returns of births and of deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the latter months of the year.

Exhibit 4 preceding page, shows the month of death of the children born in each month of 1877 who died aged under one year. Nearly half (48.25 per cent.) of all the children born in 1877 who died under one year of age died during the month of birth, as shown by the third column from the last, and 4.67 per cent. of all the children born in 1877 died during the month of birth, as shown by the last column. The average for four years, as shown in the corresponding exhibits for 1875, 1876, 1877, and 1878, shows that 43.55 per cent. of the children who die under one year of age die during the month, and 4.40 per cent. of all the children born die during the month of birth.

Exhibit 5 shows the relation of decedents aged under one month to children born in 1878, by months, by sex. The per cent. is greater for males than for females; and among the totals the per cent. is greatest in December.

EXHIBIT 5.—*The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1878.*

SEX, ETC., SPECIFIED.		YEAR, 1878.	MONTHS, 1878.												
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	Births	35,162	2,201	2,414	2,836	2,937	2,805	2,797	2,855	3,295	3,260	3,266	3,061	3,423	32
	Deaths aged under one month.*	1,663	108	111	130	157	129	116	133	159	150	141	126	202	1
	Per Cent. of Deaths to Births	4.73	4.91	4.60	4.58	5.35	4.60	4.15	4.69	4.83	4.60	4.32	4.12	5.90	3.13
Males	Births	18,224	1,180	1,259	1,444	1,538	1,400	1,472	1,462	1,721	1,733	1,712	1,529	1,754	20
	Deaths aged under one month	946	67	56	60	90	69	64	84	93	89	82	79	113	.....
	Per Cent. of Deaths to Births	5.19	5.68	4.45	4.16	5.85	4.93	4.35	5.75	5.40	5.14	4.79	5.17	6.44	.....
Females	Births	16,871	1,012	1,150	1,390	1,391	1,400	1,323	1,370	1,570	1,522	1,546	1,527	1,659	11
	Deaths aged under one month	669	36	52	67	60	58	50	48	64	56	53	45	79	1
	Per Cent. of Deaths to Births	3.97	3.56	4.52	4.82	4.31	4.14	3.78	3.50	4.08	3.68	3.43	2.95	4.76	9.09
Unknown	Births	67	9	5	2	8	5	2	3	4	5	5	5	10	1
	Deaths aged under one month	48	5	3	3	7	2	2	1	2	5	6	2	10	.....

* Still-births included.

concerning them included in the Returns.

NAMES OF CENTENARIANS, 1878.	Sex.	Color.	Married, Single, or Widowed.	Birthplace.	Age.			Occupation.	Place of Death.		Date of Death, 1878.		Cause of Death.
					Years.	Months.	Days.		Town.	County.	Month.	Day.	
Kewewayqua Kenabrick	Male	Indian	Married	Michigan	116	a	a	Unknown	Wayland	Allegan	May	7	Old Age.
Mrs. Gray	Female	Black	Widow	Kentucky	107	a	a	Unknown	Jackson	Jackson	April	20	Old Age.
Sophia Smith	Female	White	Widow	Pennsylvania	103	10	a	Farmer's w'f	Medina	Lenawee	August	21	Old Age.
Owen McEntee	Male	White	Widower	Ireland	104	a	a	Farmer	Lyndon	Washtenaw	December	30	Old Age.
Margauretta Tinnan	Female	White	Married	Ireland	102	a	a	None	Detroit	Wayne	November	7	Old Age.
Mary Stanton	Female	White	Widow	Ireland	100	a	a	None	Detroit	Wayne	September	21	Old Age.

a Not stated.

EXHIBIT H.—*Counties and Townships from which no Returns of Deaths for 1878 were received by the State Department, showing Population in 1874, by Sex.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1878 WERE RECEIVED.	POPULATION, 1874.		
		Total.	Males.	Females.
Total		15,071	8,579	6,492
Antrim	Central Lake	535	301	234
Chippewa	Detour	221	131	90
	Sugar Island	332	173	159
Iosco	Oscoda	1,001	629	372
Isabella	Rolland [a]	293	153	140
Isle Royal	All Townhips	4	4	
Mackinac	Hendricks [bc]			
	Holmes [b]	798	406	392
	Newton [bc]			
	St. Ignace [b]	326	166	160
Menominee	Cedarville	242	159	83
	Ingallston	272	203	69
	Menominee	2,976	1,851	1,125
	Spaulding [c]			
Muskegon	Montague [b]	1,360	746	614
Schoolcraft	Munising [b]	472	320	152
	Onota [b]	517	309	208
Shiawassee	Burns [b]	1,498	778	720
St. Clair	St. Clair	2,031	1,100	931
Wayne	Grosse Point	2,193	1,150	1,043

[a] Returns received too late for compilation.
[b] No returns from supervisor.
[c] Organized since Census was taken.

TABLE X.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1878, and in each Month of the Year; also the Number of Deaths at each Period of Age.*

STATE AND COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.												AGES IN PERIODS OF YEARS, 1878.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State	Total	12,766	730	789	930	1029	923	870	1017	1371	313	1190	1181	1369	24	5007	791	418	490	564	512	438	416	331	391	383	444	439	508	451	427	492	201
	Males	6,632	369	407	461	562	484	441	528	726	691	607	617	727	12	2698	385	198	204	253	224	190	191	185	209	214	253	264	300	273	227	250	114
	Females	6,032	356	379	466	459	437	427	488	642	645	577	562	632	12	2260	406	220	286	311	288	248	225	206	182	169	191	175	208	181	200	242	84
	Unknown	52	5	3	3	8	2	2	1	3	7	6	2	10	..	49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3
Alcona	Total	19	....	1	....	3	2	2	2	....	3	2	2	2	..	8	2	....	1	1	2	1	....	1	....	1	1	....	....	....	....	....	1
	Males	13	....	....	....	3	1	1	1	....	3	1	1	2	..	5	2	....	1	....	2	....	....	1	....	....	1	....	....	....	....	....	1
	Females	6	....	1	....	..	1	1	1	....	....	1	1	....	..	3	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....
Allegan	Total	278	12	20	13	24	17	23	18	27	34	29	29	32	..	96	29	8	8	12	11	9	4	7	6	17	5	16	16	10	11	10	3
	Males	139	8	11	7	18	12	7	6	11	15	13	12	19	..	40	12	3	2	6	9	4	1	4	3	9	5	9	10	6	5	8	3
	Females	138	4	9	6	6	5	16	12	16	18	16	17	13	..	55	17	5	6	6	2	5	3	3	3	8	....	7	6	4	6	2	....
	Unknown	1	....	....	....	..	....	....	....	....	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Alpena	Total	60	6	2	6	3	1	5	5	8	9	4	5	4	2	38	1	....	3	3	2	4	....	3	1	1	....	....	1	1	....	....	2
	Males	36	3	1	5	1	1	3	4	7	5	1	2	2	1	25	....	....	3	1	1	1	....	2	....	1	....	....	1	....	....	....	1
	Females	23	2	1	1	2	....	2	1	1	4	3	3	2	1	12	1	....	....	2	1	3	....	1	1	....	....	....	....	1	....	....	1
	Unknown	1	1	....	....	..	....	....	....	....	..		....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Antrim	Total	33	1	3	4	2	4	2	2	1	4	5	3	2	..	10	8	2	1	....	2	1	....	....	2	1	1	1	....	....	2	1	1
	Males	18	1	3	1	..	2	1	1	....	3	3	1	2	..	5	4	1	....	....	2	....	....	....	1	1	....	1	....	....	1	1	1
	Females	15	....	....	3	2	2	1	1	1	1	2	2	....	..	5	4	1	1	....	....	1	....	....	1	....	1	....	....	....	1	....	....

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Baraga	Total	23	2	....	1	4	1	4	2	3	....	1	4	1	..	14	2	....	2	4	..	....	....	..	1	....	....	..	..	..	..	..	..	..
	Males	9	1	....	..	1	1	2	1	1	....	1	1	..	..	3	2	....	1	2	..	....	....	..	1	....	....	..	..	..	..	..	..	..
	Females	14	1	....	1	3	..	2	1	2	....	..	3	1	..	11	....	..	1	2	..	....	....	..	....	....	....	..	..	..	..	..	..	..
Barry	Total	139	8	13	9	15	14	9	4	17	12	14	16	8	..	49	10	1	4	10	8	2	3	7	3	10	4	7	6	7	5	2	1
	Males	63	3	8	4	5	7	3	....	6	7	9	7	4	..	25	4	1	1	2	2	....	1	3	2	4	2	4	2	5	2	2	1
	Females	76	5	5	5	10	7	6	4	11	5	5	9	4	..	24	6	..	3	8	6	2	2	4	1	6	2	3	4	2	3	..	..
Bay	Total	247	12	9	21	12	13	21	20	36	28	29	25	21	..	135	19	2	12	7	7	2	8	6	9	9	9	4	5	1	..	10	2
	Males	142	5	4	13	7	10	18	8	16	16	20	16	9	..	83	9	..	3	3	..	1	3	4	6	7	6	4	5	1	..	6	1
	Females	105	7	5	8	5	3	3	12	20	12	9	9	12	..	52	10	2	9	4	7	1	5	2	3	2	3	..	..	..	..	4	1
Benzie	Total	13	1	2	2	1	1	1	..	1	1	2	....	1	..	6	....	..	....	..	1	....	2	..	1	....	1	1	..	..	..	1	..
	Males	9	1	2	1	1	..	1	..	1	1	1	....	..	..	4	....	..	....	..	..	....	1	..	1	....	1	1	..	..	..	1	..
	Females	4	..	....	1	..	1	..	..	..	..	1	....	1	..	2	....	..	....	..	1	....	1	..	....	....	....	..	..	..	..	..	..
Berrien	Total	313	15	22	27	31	23	20	18	28	32	34	29	33	1	115	19	7	14	19	5	14	8	7	9	13	17	11	17	17	10	8	3
	Males	161	10	9	13	17	14	9	12	15	14	18	13	16	1	65	8	5	5	9	2	7	2	3	5	7	9	7	8	8	5	5	1
	Females	150	4	13	14	14	9	11	6	13	18	15	16	17	..	48	11	2	9	10	3	7	6	4	4	6	8	4	9	9	5	3	2
	Unknown	2	1	....	..	..	..	..	..	..	..	1	....	..	..	2	....	..	....	..	..	....	....	..	....	....	....	..	..	..	..	..	..

Branch	Total	204	10	12	15	19	20	11	12	25	26	18	14	22	..	47	17	12	8	4	5	7	6	9	8	8	15	7	14	10	14	9	1
	Males	109	5	8	6	14	16	8	7	12	15	9	7	8	..	25	10	7	1	2	4	4	3	4	7	4	9	4	7	7	8	1	2
	Females	94	5	4	9	4	10	3	5	13	11	9	7	14	..	21	7	5	7	2	1	3	3	5	1	4	6	3	7	3	6	8	2
	Unknown	1	....	....	....	1	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	..	..	..	..	....	..	..	..	..	..	..	..
Calhoun	Total	260	12	20	16	21	24	18	20	36	24	19	30	19	1	59	8	7	15	13	14	8	11	10	13	11	18	8	17	17	14	17	..
	Males	126	7	9	9	9	16	10	11	19	10	7	9	9	1	30	6	5	3	5	2	4	3	3	7	7	9	6	11	9	8	8	..
	Females	131	5	11	7	11	8	8	9	16	14	11	21	10	..	26	2	2	12	8	12	4	8	7	6	4	9	2	6	8	6	9	..
	Unknown	3	....	....	....	1	....	....	....	1	....	1	....	....	..	3	....	....	....	....	....	..	..	..	..	....	..	..	..	..	..	..	..
Cass	Total	223	11	12	11	20	15	10	18	22	35	26	15	28	..	83	18	13	11	8	5	7	7	5	3	3	4	9	11	8	8	13	7
	Males	116	6	8	4	11	7	5	9	14	11	12	9	20	..	45	8	7	4	4	1	3	2	1	2	2	3	5	8	4	5	7	5
	Females	107	5	4	7	9	8	5	9	8	24	14	6	8	..	38	10	6	7	4	4	4	5	4	1	1	1	4	3	4	3	6	2
Charlevoix	Total	32	1	2	1	4	2	2	4	5	6	3	1	1	..	14	2	1	1	1	....	..	..	2	..	2	2	2	1	..	1	1	2
	Males	18	....	1	....	2	1	2	2	4	2	3	1	....	..	8	2	....	....	....	....	..	..	1	..	2	1	1	..	..	1	1	1
	Females	14	1	1	1	2	1	....	2	1	4	....	....	1	..	6	....	1	1	1	....	..	..	1	..	....	1	1	1	..	..	..	1
Cheboygan	Total	71	5	11	4	10	2	5	5	7	5	3	4	8	2	34	9	9	2	2	1	1	..	..	1	1	..	2	1	1	..	3	4
	Males	32	2	4	1	5	....	3	3	6	3	1	1	2	1	18	2	4	....	1	....	1	..	..	..	1	..	1	..	1	..	1	2
	Females	38	3	7	3	5	2	2	2	1	2	1	3	6	1	15	7	5	2	1	1	..	..	..	1	....	..	1	1	..	..	2	2
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	..	1	....	....	....	....	....	..	..		..	....	..	..	..	..	..	..	..
Chippewa	Total	41	....	2	1	....	....	3	1	9	5	5	13	2	..	20	1	3	1	2	3	..	1		1	2	..	..	3	..	1	2	..
	Males	25	....	2	1	....	....	2	....	4	2	5	8	1	..	12	....	3	1	2	2	..	1		..	2	..	..	1	..	..	..	..
	Females	16	....	....	....	....	....	1	1	5	3	....	5	1	..	8	1	....	....	....	1	..	..		1	....	..	..	2	..	1	2	..
Clare	Total	20	3	....	1	1	4	....	2	2	....	3	2	2	..	13	1	....	....	....	....	..	1		1	1	1	..	..	..	..	..	2
	Males	10	1	....	....	....	2	....	1	1	....	2	2	1	..	4	1	....	....	....	....	..	1		..	1	1	..	..	..	..	..	2
	Females	9	2	....	....	1	2	....	1	1	....	1	....	1	..	8	....	....	....	....	....	..	..		1	....	..	..	..	..	..	..	..
	Unknown	1	....	....	1	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	..	..		..	....	..	..		..	..	..	..

TABLE VIII.—*Exhibiting, by Sex, the Number of Children under One Year of Age Returned as having Died in Michigan during the Year 1878; distinguishing the Months in which they Died, their Age in Months at Death, the Months in which they were Born, and whether Born in the Year of Death or in the Previous Year.*[a]

Months in which Births and Deaths Occurred.	Number Born in Each Month of Year of Death.				Number of Children who Died at Each Age in Months.												Number Born in each Month of Year Previous to Year of Death.			Deaths by Months.					
	Year.	Total.	Sex.	No. of each Sex.	-1.	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	No. of each Sex.	Total.	Year.	Of those Born in Year of Death.		Of those Born in Previous Year.		All Aged under One Year.	
																				Sex.	Total.	Sex.	Total.	Sex.	Total.
January	1878.	223	Males	130	67	8	3	4	5	2	3	2	4	2	2	3	------	------	1877.	67	103	78	65	105	168
			Females	93	36	1	5	2	..	3	3	1	3	3	2	4	------	------		36		27		63	
February		231	Males	119	56	6	2	6	7	2	6	1	..	3	1	2	3	7		62	119	30	62	92	181
			Females	112	52	5	6	3	5	4	3	3	2	1	1	4	4			57		32		89	
March		250	Males	123	60	12	6	8	3	2	2	8	5	3	9	1	4	10		78	161	41	71	119	232
			Females	127	67	11	5	8	4	4	5	1	3	2	2	1	6			83		30		113	
April		269	Males	150	90	2	3	10	4	3	4	5	5	2	6	3	4	9		105	179	32	66	137	245
			Females	119	60	5	8	1	6	3	6	3	7	5	3	1	5			74		34		108	
May		242	Males	130	69	5	7	3	1	3	3	5	4	3	5	4	19	26		85	165	27	46	112	211
			Females	112	58	11	6	2	3	5	3	1	1	5	1	3	7			80		19		99	
June		228	Males	129	64	9	7	8	7	2	4	4	3	2	3	2	15	26		97	183	18	38	115	221
			Females	99	50	4	10	6	7	9	3	4	2	3	4	4	11			86		20		106	
July		236	Males	140	84	8	8	13	12	6	9	6	8	4	2	4	18	37		140	243	24	45	164	288
			Females	96	48	7	17	8	7	8	8	6	6	3	3	3	19			103		21		124	
August		236	Males	128	93	26	22	18	9	14	16	9	8	12	7	10	31	57		207	362	37	73	244	435
			Females	108	64	17	19	15	15	9	6	10	12	8	7	9	26			155		36		191	
September		199	Males	121	89	10	14	16	12	10	9	4	5	8	11	8	32	60		169	293	27	44	196	337
			Females	78	56	11	13	8	10	5	7	8	6	4	6	7	28			124		17		141	
October		171	Males	103	82	14	8	8	9	7	6	4	4	7	2	1	44	81		149	260	3	12	152	272
			Females	68	53	11	13	8	6	..	5	7	3	5	5	4	37			111		9		120	
November		160	Males	95	79	9	6	8	5	6	2	2	3	4	4	8	54	100		128	235	8	11	136	246
			Females	65	45	10	6	13	7	4	5	3	9	5	..	3	46			107		3		110	
December		192	Males	113	113	16	12	12	9	3	4	5	8	4	4	4	61	120		194	334	------	------	194	334
			Females	79	79	20	5	5	7	3	5	3	2	4	2	5	59			140		------		140	

Deaths by Ages.																										
Of those Born in Year of Death.	1878.		Males....	1,481	946	117	93	96	64	48	46	24	20	15	8	4	.....	.....	.....	1,481						
			Females.	1,156	668	112	102	66	62	38	36	31	20	14	2	5	.....	.....	.....	1,156						
		2,637	Total....	2,637	1614	229	195	102	126	86	82	55	40	29	10	9	.....	.....	.....	.....	2,637					
Of those Born in Previous Year.	1877.		Males....	.....	....	8	5	18	19	12	22	31	37	39	48	46	285	.....	.....	.....	.....	285				
			Females.	.....	....	1	11	13	15	19	23	19	36	34	34	43	248	.....	.....	.....	.....	248				
			Total....	533	....	9	16	31	34	31	45	50	73	73	82	89	.....	533	.....	.....	.....		533			
All aged under One Year.			Males....	.....	946	125	98	114	83	60	68	55	57	54	56	50	.....	.....	.....	.....	.....	.....	.....	1,766		
			Females.	.....	668	113	113	79	77	57	59	50	56	48	36	48	.....	.....	.....	.....	.....	.....	.....	1,404		
			Total....	3,170	1614	238	211	193	160	117	127	105	113	102	92	98	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,170

* Excluding 1 female, month of death unknown; and 48 deaths of persons of unknown sex,—49 in all.

Exhibit 3 shows, by sex, the number of children who were born in each month of the year 1877 and died during each month of 1877, the number born in each month of 1877 who died in the months of 1878 under one year of age, the total number born in each month of 1877 who died aged under one year, and, by months, the per cent. of deaths of children aged under one year who were born in 1877 to all children born in 1877. Of the children born in 1877 who died aged under one year 83.47 per cent. died during the year 1877—the year of birth—and 16.53 per cent. lived into the succeeding year. An examination of the exhibit shows that the per cent. of deaths of children aged under one year to the children born is greatest for February and least for September. Of the children born in 1877 who died aged under one year, the per cent. is greater among males than among females.

EXHIBIT 3.—*Of the Children Born in 1877, according to the Returns, the Number who Died during the Year 1877; the Number who Died during the Year 1878, under One Year of Age; The Total Number who Died under One Year of Age; and the Per Cent. of Decedents Aged under One Year to the Children Born in 1877.*

MONTHS OF BIRTH AND OF DEATH.	Births in 1877, as Returned.	Children Born in 1877.				Births of Males in 1877, as Returned.	Males Born in 1877.				Births of Females in 1877, as Returned.	Females Born in 1877.			
		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.		Died during the Year 1877.	Died Aged under 1 Year during the Year 1878.	Total Died Aged under 1 Year.	Per Cent. of Deaths under 1 to Births.
Total.....[a]	33,324	2,692	533	3,225	9.68	17,193	1,551	285	1,836	10.68	16,077	1,141	248	1,389	8.64
January.....	2,212	245	.....	245	11.08	1,187	139	.....	139	11.71	1,021	106	.....	106	10.38
February.....	2,246	289	7	296	13.18	1,192	164	3	167	14.01	1,053	125	4	129	12.25
March.....	2,690	290	10	300	11.15	1,372	168	4	172	12.54	1,308	122	6	128	9.79
April.....	2,655	253	9	262	9.87	1,421	157	4	161	11 33	1,229	96	5	101	8.22
May.....	2,683	245	26	271	10.10	1,314	143	19	162	12.33	1,365	102	7	109	7.99
June.....	2,657	226	26	252	9.48	1,331	132	15	147	11.04	1,323	94	11	105	7.94
July.....	2,399	227	37	264	9.11	1,514	125	18	143	9.45	1,381	102	19	121	8.76
August.....	3,227	237	57	294	9.11	1,664	134	31	165	9.92	1,560	103	26	129	8.27
September.....	3,048	174	60	234	7.68	1,530	86	32	118	7.71	1,514	88	28	116	7.66
October.....	3,015	175	81	256	8.49	1,591	114	44	158	9.93	1,423	61	37	98	6.89
November.....	2,817	154	100	254	8.92	1,446	88	54	142	9.82	1,393	66	46	112	8.04
December.....	3,145	177	120	297	9.44	1,631	101	61	162	9.93	1,507	76	59	135	8.96

[a] Excluding 71 in unknown month,—34 males, 32 females, and 5 unknown sex.

EXHIBIT 4.—*The Months of Birth and of Death of Children Born in 1877 who Died Under One Year of Age.*

MONTHS OF BIRTH, 1877.	Born in 1877, Died under 1 Year of Age.	Months of Death, 1877. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Months of Death, 1878. Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Per Cent. Died Aged under 1 month.[a]	Births in 1878, as Returned[b]	Per Cent. of Children who Died aged under 1 month to all Children born.[c]
Born in 1877, died age (under 1 Yr.)	3,225	93	146	178	153	159	153	239	445	328	287	221	290	65	62	71	66	46	38	45	73	44	12	11	....	.....	33,324	.....
January	245	93	24	16	14	9	10	9	26	13	19	11	1	..	....	....	....	....	....	....	....	....	....	....	....	37.96	2,212	4.20
February	296	....	122	15	13	9	10	21	56	25	8	5	5	7	..	....	....	....	....	....	....	....	....	....	....	41.22	2,246	5.43
March	300	....	....	147	15	11	5	21	36	27	15	6	7	4	6	..	....	....	....	....	....	....	....	....	....	49.00	2,690	5.46
April	262	....	....	....	111	12	8	23	45	19	18	9	8	5	2	2	..	....	....	....	....	....	....	....	....	42.37	2,655	4.18
May	271	....	....	....	....	118	12	30	39	21	12	7	6	7	4	11	4	..	....	....	....	....	....	....	....	43.54	2,683	4.40
June	252	....	....	....	....	....	108	15	40	28	15	7	13	3	2	5	9	7	..	....	....	....	....	....	....	42.86	2,657	4.06
July	264	....	....	....	....	....	....	120	41	40	15	2	9	6	4	8	7	6	6	..	....	....	....	....	....	45.45	2,899	4.14
August	294	....	....	....	....	....	....	....	162	37	19	5	14	5	9	9	12	8	7	7	..	....	....	....	....	55.10	3,227	5.02
September	234	....	....	....	....	....	....	....	....	118	19	18	19	5	6	7	8	5	5	5	19	..	....	....	....	50.43	3,048	3.87
October	256	....	....	....	....	....	....	....	....	....	147	18	10	6	12	6	10	6	5	7	14	15	..	....	....	57.42	3,015	4.87
November	254	....	....	....	....	....	....	....	....	....	....	133	21	8	9	7	6	6	8	14	20	17	5	..	....	52.36	2,847	4.67
December	297	....	....	....	....	....	....	....	....	....	....	....	177	9	8	16	10	8	7	12	20	12	7	11	..	60.00	3,145	5.63
Deaths at each Age. No. of Deaths	3,225	....	....	....	....	....	....	....	....	....	....	....	....	1556	238	221	188	171	145	175	131	108	104	98	90	48.25	.....	4.67
Deaths at each Age. Age in Months	.....	....	....	....	....	....	....	....	....	....	....	....	....	-1	1	2	3	4	5	6	7	8	9	10	11	.....	.....	.....

[a] That is, per cent. of children who died during month of birth to total born in 1877 who died aged under one year.
[b] Excluding 71 in unknown month,—34 males, 32 females, and 5 of unknown sex.
[c] That is, of the children born in 1877, the per cent. who died during month of birth,—according to the returns of births and of deaths. It should be borne in mind that probably a larger proportion of the births and of the deaths are returned for the latter months of the year.

Exhibit 4 preceding page, shows the month of death of the children born in each month of 1877 who died aged under one year. Nearly half (48.25 per cent.) of all the children born in 1877 who died under one year of age died during the month of birth, as shown by the third column from the last, and 4.67 per cent. of all the children born in 1877 died during the month of birth, as shown by the last column. The average for four years, as shown in the corresponding exhibits for 1875, 1876, 1877, and 1878, shows that 43.55 per cent. of the children who die under one year of age die during the month, and 4.40 per cent. of all the children born die during the month of birth.

Exhibit 5 shows the relation of decedents aged under one month to children born in 1878, by months, by sex. The per cent. is greater for males than for females; and among the totals the per cent. is greatest in December.

EXHIBIT 5.—*The Relation, by Months, by Total, and by Sex, of the Decedents Aged under One Month to the Births in Michigan during the Year ending December 31, 1878.*

Sex, etc., specified.		Year, 1878.	Months, 1878.												
			Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
Total	Births	35,162	2,201	2,414	2,836	2,937	2,805	2,797	2,855	3,295	3,260	3,266	3,061	3,423	32
	Deaths aged under one month.*	1,663	108	111	130	157	129	116	133	159	150	141	126	202	1
	Per Cent. of Deaths to Births	4.73	4.91	4.60	4.58	5.35	4.60	4.15	4.69	4.83	4.60	4.32	4.12	5.90	3.13
Males	Births	18,224	1,180	1,259	1,444	1,538	1,400	1,472	1,462	1,721	1,733	1,712	1,529	1,754	29
	Deaths aged under one month	946	67	56	60	90	69	64	84	93	89	82	79	113	------
	Per Cent. of Deaths to Births	5.19	5.68	4.45	4.16	5.85	4.93	4.35	5.75	5.40	5.14	4.79	5.17	6.44	------
Females	Births	16,871	1,012	1,150	1,390	1,391	1,400	1,323	1,370	1,570	1,522	1,546	1,527	1,659	11
	Deaths aged under one month	669	36	52	67	60	58	50	48	64	56	53	45	79	1
	Per Cent. of Deaths to Births	3.97	3.56	4.52	4.82	4.31	4.14	3.78	3.50	4.08	3.68	3.43	2.95	4.76	9.09
Unknown	Births	67	9	5	2	8	5	2	3	4	5	5	5	10	1
	Deaths aged under one month	48	5	3	3	7	2	2	1	2	5	6	2	10	------

* Still-births included.

TABLE IX.—*Decedents in Michigan during the Year 1878 Aged One hundred Years and Over, Exhibiting certain Details concerning them included in the Returns.*

NAMES OF CENTENARIANS, 1878.	SEX.	Color.	Married, Single, or Widowed.	Birthplace.	AGE.			Occupation.	PLACE OF DEATH.		DATE OF DEATH, 1878.		Cause of Death.
					Years.	Months.	Days.		Town.	County.	Month.	Day.	
Kewewayqua Kenabrick	Male	Indian	Married	Michigan	116		a	Unknown	Wayland	Allegan	May	7	Old Age.
Mrs. Gray	Female	Black	Widow	Kentucky	107		a	Unknown	Jackson	Jackson	April	20	Old Age.
Sophia Smith	Female	White	Widow	Pennsylvania	103	10	a	Farmer's w'f	Medina	Lenawee	August	21	Old Age.
Owen McEntee	Male	White	Widower	Ireland	104		a	Farmer	Lyndon	Washtenaw	December	30	Old Age.
Margauretta Tinnan	Female	White	Married	Ireland	102		a	None	Detroit	Wayne	November	7	Old Age.
Mary Stanton	Female	White	Widow	Ireland	100		a	None	Detroit	Wayne	September	21	Old Age.

a Not stated.

EXHIBIT H.—*Counties and Townships from which no Returns of Deaths for 1878 were received by the State Department, showing Population in 1874, by Sex.*

COUNTIES.	TOWNSHIPS FROM WHICH NO RETURNS OF DEATHS FOR 1878 WERE RECEIVED.	POPULATION, 1874.		
		Total.	Males.	Females.
Total		15,071	8,579	6,492
Antrim	Central Lake	535	301	234
Chippewa	Detour	221	131	90
	Sugar Island	332	173	159
Iosco	Oscoda	1,001	629	372
Isabella	Rolland [a]	293	153	140
Isle Royal	All Townhips	4	4	
Mackinac	Hendricks [bc]			
	Holmes [b]	798	406	392
	Newton [bc]			
	St. Ignace [b]	326	166	160
Menominee	Cedarville	242	159	83
	Ingalliston	272	203	69
	Menominee	2,976	1,851	1,125
	Spaulding [c]			
Muskegon	Montague [b]	1,360	746	614
Schoolcraft	Munising [b]	472	320	152
	Onota [b]	517	309	208
Shiawassee	Burns [b]	1,498	778	720
St. Clair	St. Clair	2,031	1,100	931
Wayne	Grosse Point	2,193	1,150	1,043

[a] Returns received too late for compilation.
[b] No returns from supervisor.
[c] Organized since Census was taken.

TABLE X.—*Exhibiting, for the State and Counties, by Sex, the Number of Deaths Returned as having Occurred in Michigan during the Year 1878, and in each Month of the Year; also the Number of Deaths at each Period of Age.*

STATE AND COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																	
			January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
State	Total	12,766	730	789	930	1029	923	870	1017	1371	1343	1190	1181	1369	24	5007	791	418	490	564	512	438	416	391	391	383	444	439	508	451	427	492	201
	Males	6,632	369	407	461	562	484	441	528	726	691	607	617	727	12	2698	385	198	204	253	224	190	191	185	209	214	253	264	300	273	227	250	114
	Females	6,032	356	379	466	439	437	427	488	642	645	577	562	632	12	2260	406	220	286	311	288	248	225	206	182	169	191	175	208	181	200	242	84
	Unknown	52	5	3	3	8	2	2	1	3	7	6	2	10	..	49	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3
Alcona	Total	19	....	1	....	3	2	2	2	....	3	2	2	2	..	8	2	....	1	1	2	1	....	1	....	1	1	....	....	....	....	....	1
	Males	13	....	....	....	3	1	1	1	....	3	1	1	2	..	5	2	....	1	....	2	....	....	1	....	....	1	....	....	....	....	....	1
	Females	6	....	1	....	....	1	1	1	....	....	1	1	....	..	3	....	....	....	1	....	1	....	....	....	1	....	....	....	....	....	....	....
Allegan	Total	278	12	20	13	24	17	23	18	27	31	29	29	32	..	96	29	8	8	12	11	9	4	7	6	17	5	16	16	10	11	10	3
	Males	139	8	1	7	18	12	7	6	11	15	13	12	19	..	40	12	3	2	6	9	4	1	4	3	9	5	9	10	6	5	8	3
	Females	138	4	9	6	6	5	16	12	16	18	16	17	13	..	55	17	5	6	6	2	5	3	3	3	8	....	7	6	4	6	2	....
	Unknown	1	....	....	....	....	....	....	....	....	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Alpena	Total	60	6	2	6	3	1	5	5	8	9	4	5	4	2	38	1	....	3	3	2	4	....	3	1	1	....	....	1	1	....	....	2
	Males	36	3	1	5	1	1	3	4	7	5	1	2	2	1	25	....	....	3	1	1	1	....	2	....	1	....	....	1	....	....	....	1
	Females	23	2	1	1	2	....	2	1	1	4	3	3	2	1	12	1	....	....	2	1	3	....	1	1	....	....	....	....	1	....	....	1
	Unknown	1	1	....	....	....	....	....	....	....	....	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Antrim	Total	33	1	3	4	2	4	2	2	1	4	5	3	2	..	10	8	2	1	....	2	1	....	....	2	1	1	1	....	....	2	1	1
	Males	18	1	3	1	....	2	1	1	....	3	3	1	2	..	5	4	1	....	....	2	....	....	....	1	1	....	1	....	....	1	1	1
	Females	15	....	....	3	2	2	1	1	1	1	2	2	....	..	5	4	1	1	....	....	1	....	....	1	....	1	....	....	....	1	....	....

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Baraga	Total	23	2	....	1	4	1	4	2	3	....	1	4	1	..	14	2	....	2	4	....	..	....	.	1	....	....	..	..	.	..	..	..	..
	Males	9	1	....	....	1	1	2	1	1	....	1	1	....	..	3	2	....	1	2	....	..	....	.	1	....	....	..	..	.	..	..	..	..
	Females	14	1	....	1	3	..	2	1	2	....	....	3	1	..	11	....	....	1	2	....	..	....	.	....	....	....	..	..	.	..	..	..	..
Barry	Total	139	8	13	9	15	14	9	4	17	12	14	16	8	..	49	10	1	4	10	8	2	3	7	3	10	4	7	6	7	5	2	1	
	Males	63	3	8	4	5	7	3	....	6	7	9	7	4	..	25	4	1	1	2	2	..	1	3	2	4	2	4	2	5	2	2	1	
	Females	76	5	5	5	10	7	6	4	11	5	5	9	4	..	24	6	....	3	8	6	2	2	4	1	6	2	3	4	2	3	..	..	
Bay	Total	247	12	9	21	12	13	21	20	36	28	29	25	21	..	135	19	2	12	7	7	2	8	6	9	9	9	4	5	1	..	10	2	
	Males	142	5	4	13	7	10	18	8	16	16	20	16	9	..	83	9	....	3	3	....	1	3	4	6	7	6	4	5	1	..	6	1	
	Females	105	7	5	8	5	3	3	12	20	12	9	9	12	..	52	10	2	9	4	7	1	5	2	3	2	3	..	..	.	..	4	1	
Benzie	Total	13	1	2	2	1	1	1	....	1	1	2	....	1	..	6	....	....	....	....	1	..	2	.	1	....	1	1	..	.	..	1	..	
	Males	9	1	2	1	1	..	1	....	1	1	1	....	....	..	4	....	....	....	....	....	..	1	.	1	....	1	1	..	.	..	1	..	
	Females	4	....	....	1	....	1	....	....	....	....	1	....	1	..	2	....	....	....	....	1	..	1	.	....	..	....	..	..	.	..		..	
Berrien	Total	313	15	22	27	31	23	20	18	28	32	34	29	33	1	115	19	7	14	19	5	14	8	7	9	13	17	11	17	17	10	8	3	
	Males	161	10	9	13	17	14	9	12	15	14	18	13	16	1	65	8	5	5	9	2	7	2	3	5	7	9	7	8	8	5	5	1	
	Females	150	4	13	14	14	9	11	6	13	18	15	16	17	..	48	11	2	9	10	3	7	6	4	4	6	8	4	9	9	5		2	
	Unknown	2	1	....	....	....	..	....	....	....	....	1	....	....	..	2	....	....	....	....	....	..	....	.	....	..	....	..	..	..	..		..	

Branch	Total	204	10	12	15	19	20	11	12	25	26	18	14	22	..	47	17	12	8	4	5	7	6	9	8	8	15	7	14	10	14	9	4
	Males	109	5	8	6	14	10	8	7	12	15	9	7	8	..	25	10	7		2	4	4	3	4	7	4	9	4	7	7	8	1	2
	Females	94	5	4	9	4	10	3	5	13	11	9		14	..	21	7	5	7	2	1	3	3	5	1	4	6	3	7	3	6	8	2
	Unknown	1		..	....	1	..	....	....	..	....	....		....	..	1	....	....		....	..	....	....	..	..	....	....	..	..	..	..	..	..
Calhoun	Total	260	12	20	16	21	24	18	20	36	24	19	30	19	1	59	8	7	15	13	14	8	11	10	13	11	18	8	17	17	14	17	..
	Males	126	7	9	9	9	16	10	11	19	10	7	9	9	1	30	6	5	3	5	2	4	3	3	7	7	9	6	11	9	8	8	..
	Females	131	5	11	7	11	8	8	9	16	14	11	21	10	..	26	2	2	12	8	12	4	8	7	6	4	9	2	6	8	6	9	..
	Unknown	3		..	....	1	..	....	....	1	....	1		....	..	3	....	....	.	....	..	....	....	..	..	....	....	..	..	..	..	..	..
Cass	Total	223	11	12	11	20	15	10	18	22	35	26	15	28	..	83	18	13	11	8	5	7	7	5	3	3	4	9	11	8	8	13	7
	Males	116	6	8	4	11	7	5	9	14	11	12	9	20	..	45	8	7	4	4	1	3	2	1	2	2	3	5	8	4	5	7	5
	Females	107	5	4	7	9	8	5	9	8	24	14	6	8	..	38	10	6	7	4	4	4	5	4	1	1	1	4	3	4	3	6	2
Charlevoix	Total	32	1	2	1	4	2	2	4	5	6	3		1	..	14	2	1	1	1	..	....	....	2	..	2	2	2	1	..	1	1	2
	Males	18	....	1	....	2	1	2	2	4	2	3		....	..	8	2	....	.	....	..	....	....	1	..	2	1	1	..	..	1	1	1
	Females	14	1	1	1	2	1	....	2	1	4	....		1	..	6	....	1	1	1	..	....	....	1	..	....	1	1	1	..	..	..	1
Cheboygan	Total	71	5	11	4	10	2	5	5	7	5	3		8	2	34	9	9	2	2	1	1	....	..	1	1	....	2	1	1	..	3	4
	Males	32	2	4	1	5	..	3	3	6	3	1		2	1	18	2	4	.	1	..	1	....	..	..	1	....	1	..	1	..	1	2
	Females	38	3	7	3	5	2	2	2	1	2	1	3	6	1	15	7	5	2	1	1	....	....	..	1	....	....	1	1	..	..	2	2
	Unknown	1	....	..	....	....	..	....	....	..	....	1		....	..	1	....		.	....	..	....	....	..	..	....	....	..	..	..	..	..	..
Chippewa	Total	41	....	2	1	....	..	3	1	9	5	5	13	2	..	20	1	3	1	2	3	....	1	1	1	2	....	..	3	..	1	2	..
	Males	25	....	2	1	....	..	2	....	4	2	5	8	1	..	12	....	3	1	2	2	....	1	1	..	2	....	..	1	..	..	..	..
	Females	16	....	..	....	....	..	1	1	5	3	....	5	1	..	8	1		.	....	1	....	....	..	1	....	....	..	2	..	1	2	..
Clare	Total	20	3	..	1	1	4	....	2	2	....	3	2	2	..	13	1		.	....	..	....	1	..	1	1	1	..	..	..	..	..	2
	Males	10	1	..	....	....	2	....	1	1	....	2	2	1	..	4	1		.	....	..	....	1	..	..	1	1	..	..	..	..	..	2
	Females	9	2	..	....	1	2	....	1	1	....	1		1	..	8	....		.	....	..	....	....	..	1	....	....	..	..	..	..	..	..
	Unknown	1	....	..	1	....		....	....	....	....	....		....	..	1	....		.	....	..	....	....	..		....	....	..	..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Clinton	Total	247	15	15	14	16	9	22	21	20	21	30	35	29	..	93	21	11		13	3	5	7	11	4	3	8	8	16	9	12	9	2
	Males	125	7	4	4	9	6	16	7	9	15	14	19	15	..	57	10	5	6	5	1	2	2	3	....	1	1	5	9	6	7	5	..
	Females	122	8	11	10	7	3	6	14	11	6	16	16	14	..	36	11	6	5	8	2	3	5	8	4	2	7	3	7	3	5	4	2
Crawford	Total	4	2	....	....	....	....	....	....	1	1	....	....	....	..	4	....	....	..	..	....	..	....	....	....	....	....	..	..	..	..	..	..
	Males	3	2	....	....	....	....	....	....	..	1	....	....	....	..	3	....	....	..	..	....	..	....	....	....	....	....	..	..	..	..	..	..
	Females	1	....	....	....	....	....	....	....	1	..	....	....	....	..	1	....	....	..	..	....	..	....	....	....	....	....	..	..	..	..	..	..
Delta	Total	42	6	4	2	1	3	1	2	4	7	5	5	2		16	3	1	2	..	2	5	1	3	2	1	....	2	2	..	..	..	2
	Males	28	3	3	1	....	....	1	2	3	4	5	5	1		10	2	1	1	..	1	4	1	3	....	1	....	1	1	..	..	..	2
	Females	14	3	1	1	1	3	....	....	1	3	....	....	1		6	1	....	1	..	1	1	....	....	2	....	....	1	1	..	..	..	..
Eaton	Total	273	20	13	21	16	17	19	19	28	34	31	27	27		94	29	15	12	12	11	9	6	6	5	9	13	10	12	6	8	11	5
	Males	125	6	9	6	11	8	9	9	16	15	15	11	9		47	13	9	5	2	3	1	4	2	4	3	7	2	9	4	4	3	3
	Females	148	14	4	15	5	9	10	10	12	19	16	16	18		47	16	6	7	10	8	8	2	4	1	6	6	8	3	2	4	8	2
Emmet	Total	66	3	2	4	6	11	3	7	7	4	7	2	10		38	1	1	3	3	1	1	1	3	1	4	....	1	3	..	1	2	2
	Males	36	....	2	3	2	6	1	4	7	....	4	2	5		21	1	....	1	1	....	1	1	2	1	....	....	1	2	..	..	2	2
	Females	30	3	....	1	4	5	2	3	..	4	3	....	5		17	....	1	2	2	1	..	....	1	....	4	....	..	1	..	1	..	..
Genesee	Total	306	19	14	23	29	16	26	27	38	31	31	21	31		105	12	11	7	16	23	17	9	10	10	3	13	15	10	18	13	14	..
	Males	149	10	4	15	15	7	14	14	19	16	12	8	15		49	2	2	3	5	14	4	7	4	5	2	9	11	7	11	8	6	..
	Females	157	9	10	8	14	9	12	13	19	15	19	13	16		56	10	9	4	11	9	13	2	6	5	1	4	4	3	7	5	8	..

Gladwin	Total	7	----	----	----	----	----	----	----	4	1	1	1	----	--	3	----	----	----	1	1	----	----	----	----	1	----	--	--	1	--	--	--
	Males	5	----	----	----	----	----	----	----	2	1	1	1	----	--	2	----	----	----	1	1	----	----	----	----	----	----	--	--	1	--	--	--
	Females	2	----	----	----	----	----	----	----	2	----	----	----	----	--	1	----	----	----	----	----	----	----	----	----	1	----	--	--	--	--	--	--
Gr. Traverse	Total	49	2	3	3	3	3	3	6	4	10	7	4	1	--	18	2	3	3	3	2	1	----	2	2	2	1	2	3	--	4	1	--
	Males	20	----	2	----	1	----	2	2	3	4	4	1	1	--	10	1	1	1	1	----	----	----	1	----	----	----	1	2	--	1	1	--
	Females	29	2	1	3	2	3	1	4	1	6	3	3	----	--	8	1	2	2	2	2	1	----	1	2	2	1	1	1	--	3	--	--
Gratiot	Total	111	7	4	12	4	7	6	13	15	13	6	16	9	--	54	12	10	2	5	1	2	4	2	1	3	3	3	3	1	1	3	1
	Males	50	3	2	4	2	5	2	6	6	4	2	8	6	--	25	3	6	----	3	----	----	----	----	----	2	2	2	3	1	1	1	1
	Females	61	4	2	8	2	2	4	6	9	9	4	8	3	--	29	9	4	2	2	1	2	4	2	1	1	1	1	--	--	--	2	--
Hillsdale	Total	288	25	24	25	28	19	14	25	24	30	24	22	28	--	65	22	15	14	16	13	9	10	10	6	12	10	18	17	14	11	23	3
	Males	146	12	11	13	17	11	4	8	16	18	12	12	12	--	35	11	8	1	5	4	3	4	4	3	6	7	11	13	13	7	9	2
	Females	142	13	13	12	11	8	10	17	8	12	12	10	16	--	30	11	7	13	11	9	6	6	6	3	6	3	7	4	1	4	14	1
Houghton	Total	263	13	10	12	12	25	24	27	35	23	26	23	32	1	170	13	6	6	3	7	7	12	9	7	----	6	3	5	2	--	1	6
	Males	155	7	6	7	9	12	13	14	22	18	12	15	20	--	96	6	3	4	3	5	3	10	6	5	----	3	3	4	1	--	--	3
	Females	105	6	4	5	2	13	11	13	13	5	14	7	11	1	71	7	3	2	----	2	4	2	3	2	----	3	--	1	1	--	1	3
	Unknown	3	----	----	----	1	----	----	----	----	----	----	1	1	--	3	----	----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--
Huron	Total	101	3	2	5	6	6	11	9	13	9	9	14	14	--	47	4	4	4	6	4	6	3	2	4	2	3	2	--	4	2	3	1
	Males	54	2	1	1	3	4	3	4	8	6	6	7	9	--	30	1	1	3	2	1	1	----	1	2	2	1	--	--	4	2	2	1
	Females	47	1	1	4	3	2	8	5	5	3	3	7	5	--	17	3	3	1	4	3	5	3	1	2	----	2	2	--	--	--	1	--
Ingham	Total	193	10	29	15	17	12	8	11	16	23	18	16	13	--	78	13	6	13	3	8	7	5	2	9	8	8	4	9	6	8	4	2
	Males	106	6	16	6	7	7	5	8	8	16	12	9	6	--	42	10	3	6	1	4	1	----	----	6	6	4	4	8	4	1	4	2
	Females	87	4	13	9	10	5	3	3	8	12	6	7	7	--	36	3	3	7	2	4	6	5	2	3	2	4	--	1	2	7	--	--

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Ionia	Total	230	7	11	10	17	23	15	24	28	29	24	21	21	..	85	10	4	7	22	5	7	6	10	11	5	8	13	8	9	6	9	5
	Males	114	4	7	4	6	12	6	13	10	16	17	11	8	..	41	4	2	4	11	....	1	4	4	6	3	4	8	2	6	6	5	3
	Females	115	3	4	6	10	11	9	11	18	13	7	10	13	..	43	6	2	3	11	5	6	2	6	5	2	4	5	6	3	..	4	2
	Unknown	1	....	....	....	1	....	....	....	....	..	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Iosco	Total	52	1	1	7	3	2	6	4	11	4	5	2	6	..	28	....	1	2	3	5	2	4	1	....	1	....	..	1	1	..	..	3
	Males	33	....	1	4	2	2	5	3	8	1	3	1	3	..	17	....	....	1	2	3	2	3	1	....	....	....	..	1	..	..	..	3
	Females	19	1	..	3	1	....	1	1	3	3	2	1	3	..	11	....	1	1	1	2	....	1	....	....	1	....	..	..	1	..	..	..
Isabella	Total	75	1	5	5	10	5	5	9	10	6	7	5	7	..	41	4	1	4	2	4	3	5	....	1	1	3	1	1	..	1	..	3
	Males	49	....	3	5	6	4	3	6	7	3	4	2	6	..	30	3	1	2	1	3	2	2	....	....	1	2	1	1	..	..	..	..
	Females	26	1	2	....	4	1	2	3	3	3	3	3	1	..	11	1	....	2	1	1	1	3	....	1	....	1	..	..	..	1	..	3
Isle Royal[a]		.....	....	....	....	....	....	....	....	....	..	....	....	....	..	....	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Jackson	Total	347	16	33	26	27	16	20	26	34	37	32	51	29	..	110	47	28	10	15	12	7	8	4	8	12	5	5	18	18	17	21	2
	Males	190	7	13	18	19	8	9	15	16	23	22	26	14	..	55	25	14	3	8	6	6	6	1	3	10	3	4	11	13	12	8	2
	Females	157	9	20	8	8	8	11	11	18	14	10	25	15	..	55	22	14	7	7	6	1	2	3	5	2	2	1	7	5	5	13	..
Kalamazoo	Total	281	12	25	24	16	17	23	11	30	43	29	27	23	1	68	10	9	14	13	8	17	12	8	14	13	20	13	17	15	10	18	2
	Males	144	9	14	16	7	6	9	6	18	19	16	12	12	..	41	6	4	4	5	6	11	3	5	5	4	9	7	12	6	7	9	..
	Females	136	3	11	8	9	11	14	5	12	24	13	15	10	1	26	4	5	10	8	2	6	9	3	9	9	11	6	5	9	3	9	2
	Unknown	1	....	....	....	....	....	....	....	....	..	....	....	1	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

Kalkaska	Total	18	...	...	...	1	2	...	3	3	4	2	1	2	...	11	3	...	...	1	...	...	1	1	...	1	...	...	...	...	...	...
	Males	9	...	...	...	...	1	...	2	1	2	2	1	...	...	5	1	...	...	1	...	...	1	...	...	1	...	...	...	...	...	...
	Females	9	...	...	...	1	1	...	1	2	2	...	...	2	...	6	2	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...
Kent	Total	560	29	25	49	40	41	45	51	63	58	39	62	56	2	217	42	20	26	27	23	19	18	25	11	15	22	11	19	24	15	18	8
	Males	266	11	14	23	20	19	20	24	28	31	20	28	27	1	106	19	12	4	10	12	7	6	11	7	8	11		10	16	10	7	3
	Females	291	18	10	26	20	22	25	26	35	27	19	34	28	1	108	23	8	22	17	11	12	12	14	4	7	11	4	9	8	5	11	5
	Unknown	3	...	1	...	...	...	...	1	...	...	...	...	1	...	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Keweenaw	Total	52	4	6	1	7	9	6	5	3	3	1	3	4	...	36	2	...	2	1	...	...	...	...	...	2	1	...	1	3	...	1	3
	Males	30	3	3	1	5	5	4	2	1	1	...	2	3	...	20	1	...	2	1	...	...	...	...	...	1	1	...	...	1	...	1	2
	Females	21	1	3	...	2	4	1	3	2	2	1	1	1	...	15	1	...	...	...	...	...	...	...	...	1	...	...	1	2	...	...	1
	Unknown	1	...	...	...	...	...	1	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Lake	Total	22	1	1	3	2	...	3	1	2	1	3	4	1	...	6	4	...	1	1	1	2	2	...	2	1	1	...	...	...	...	...	1
	Males	8	...	...	...	...	...	1	1	1	...	1	3	1	...	...	2	...	...	1	1	2	...	...	...	...	1	...	...	...	...	...	1
	Females	14	1	1	3	2	...	2	...	1	1	2	1	...	...	6	2	...	1	...	...	...	2	...	2	1	...	...	...	...	...	...	...
Lapeer	Total	180	6	7	21	12	19	15	12	22	13	16	18	18	1	77	9	9	7	6	7	7	4	3	5	4	8	6	10	2	7	8	1
	Males	102	3	3	7	10	11	10	8	15	6	8	10	10	1	48	5	3	4	3	3	4	3	...	2	1	4	4	6	1	5	5	1
	Females	77	3	4	13	2	8	5	4	7	7	8	8	8	...	28	4	6	3	3	4	3	1	3	3	3	4	2	4	1	2	3	...
	Unknown	1	...	...	1	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Leelanaw	Total	49	...	...	4	3	5	...	5	7	5	5	9	6	...	15	1	4	3	2	1	3	1	3	1	1	4	1	1	3	2	3	...
	Males	22	...	...	3	1	2	...	1	3	2	2	5	3	...	7	...	1	1	2	...	2	...	2	...	...	2	1	1	2	...	1	...
	Females	27	...	...	1	2	3	...	4	4	3	3	4	3	...	8	1	3	2	...	1	1	1	1	1	1	2	...	...	1	2	2	...
Lenawee	Total	330	20	23	36	23	30	27	10	42	32	33	22	32	...	88	11	9	15	16	14	10	6	13	17	8	15	15	14	23	25	28	3
	Males	167	12	8	17	16	12	13	6	22	20	11	13	17	...	58	4	4	9	12	7	3	2	7	7	8	7	4	5	8	8	14	...
	Females	162	8	15	19	7	17	14	4	20	12	22	9	15	...	29	7	5	6	4	7	7	4	6	10	...	8	11	9	15	17	14	3
	Unknown	1	...	...	...	...	1	...	...	...	...	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

a No returns from the county clerk to the State Department.

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Livingston..	Total.....	156	9	10	8	17	15	13	10	10	11	23	16	13	1	44	7	4	4	4	9	8	5	6	8	11	4	6	5	8	9	12	2
	Males.....	72	3	4	2	10	6	7	4	6	6	11	9	4	..	22	3	2	3	2	4	1	3	2	4	6	1	3	2	6	3	5	..
	Females..	84	6	6	6	7	9	6	6	4	5	12	7	9	1	22	4	2	1	2	5	7	2	4	4	5	3	3	3	2	6	7	2
Mackinac....	Total.....	15	2	..	....	1	3	1	2	4	2	....	....	....	..	2	1	1	2	2	1	..	....	3	..	....	....	..	1	..	1	..	1
	Males.....	4	....	..	....	1	1	....	....	1	1	....	....	....	..	2	1	..	....	....	1	..	....	....	..	....	....	..	..	..	..	..	..
	Females..	11	2	..	....	....	2	1	2	3	1	....	....	....	..	....	....	1	2	2	....	..	....	3	..	....	....	..	1	..	1	..	1
Macomb.....	Total.....	279	14	10	24	17	17	14	33	37	32	25	33	23	..	82	8	8	12	12	14	10	4	10	6	13	10	9	27	19	16	18	1
	Males.....	147	8	4	9	10	10	8	23	21	13	12	17	12	..	51	2	2	9	7	7	3	2	4	2	9	5	6	8	11	9	9	1
	Females..	132	6	6	15	7	7	6	10	16	19	13	16	11	..	31	6	6	3	5	7	7	2	6	4	4	5	3	19	8	7	9	..
Manistee....	Total.....	84	4	3	9	6	11	9	11	4	11	4	6	6	..	49	1	1	2	5	6	2	2	5	1	1	2	..	2	2	1	1	1
	Males.....	45	....	2	6	4	4	8	6	1	3	3	5	3	..	24	1	..	1	3	3	1	1	4	1	1	1	..	2	1	..	..	1
	Females..	39	4	1	3	2	7	1	5	3	8	1	1	3	..	25	....	1	1	2	3	1	1	1	..	....	1	..	..	1	1	1	..
Manitou.....	Total.....	6	....	....	2	....	1	1	2	..	..	....	....	....	..	3	....	..	....	....	....	..	....	1	..	....	....	..	1	1	..	..	..
	Males.....	3	....	....	1	....	1	....	1	..	..	....	....	....	..	2	....	..	....	....	....	..	....	1	..	....	....	..	..	..	..	..	..
	Females..	3	....	....	1	....	..	1	1	..	..	....	....	....	..	1	....	..	....	....	....	..	....	....	..	....	....	..	1	1	..	..	..
Marquette..	Total.....	227	19	5	10	14	16	17	22	31	22	20	23	28	..	136	15	9	6	7	7	7	5	7	6	1	7	6	..	1	1	1	5
	Males.....	141	16	1	5	11	5	11	11	22	12	13	17	17	..	82	7	5	3	4	5	5	4	4	5	1	3	6	..	1	1	..	5
	Females..	86	3	4	5	3	11	6	11	9	10	7	6	11	..	54	8	4	3	3	2	2	1	3	1	....	4	..	..	..	..	1	..

Mason	Total	61	6	4	3	7	3	3	4	3	8	4	6	10	23	1	2	4	2	2	1	3	3	4	1	2	5	4	2	--	--	2
	Males	40	3	4	1	6	2		2	2	5		5	7	15	--	2	-	----	2	-	2	3	3	----	2	3	4	2	--	--	2
	Females	21	3	--	2	1	1		2	1	3	2	1	3	8	1	----	4	2	----	1	1	-	1	1	-	2	--	-	--	--	--
Mecosta	Total	73	8	3	4	6	6		6	5	13		6	9	32	4	3	1	3	3	3	2	2	2	3	2	4	2	1	1	2	3
	Males	31	4	1	1	3	4		2	1	5	3	4	3	14	2	1	-	----	1	-	----	-	1	2	2	3	1	--	--	2	2
	Females	42	4	2	3	3	2	3	4	4	8	1	2	6	18	2	2	1	3	2	3	2	2	1	1	-	1	1	1	1	--	1
Menominee	Total	9	----	2	1	-	1		1	1	----	--	2	1	6	----	----	1	----	----	-	----	-	2	----	-	--	--	--	--	--	--
	Males	6	----	1	-	-	1		1	1	----	--	2	----	3	----	----	1	----	-	-	----	-	2	----	-	--	--	--	--	--	--
	Females	3	----	1	1	-	----		-	-	----	--	-	1	3	----	----	-	----	-	-	----	-	----	----	-	--	--	--	--	--	--
Midland	Total	52	1	2	4	4	6		3	5	12	3	5	6	25	3	2	1	2	1	3	2	1	1	3	1	3	2	--	1	1	--
	Males	18	----	2	1	1	3		1	1	5	--	1	3	10	----	----	-	1	-	1	1	1	----	1	-	2	1	--	--	--	--
	Females	34	1	--	3	3	3		2	4	7	3	4	3	15	3	2	1	1	1	2	1	-	1	2	1	1	1	--	1	1	--
Missaukee	Total	21	----	--	-	2	----		-	7	4	2	3	2	12	1	1	1	1	1	1	1	-	----	----	1	1	--	--	--	--	--
	Males	11	----	--	-	1	----	1	-	3	2	1	2	1	5	1	----	1	1	1	1	1	-	----	----	-	--	--	--	--	--	--
	Females	10	----	--	-	1	----	----	-	4	2	1	1	1	7	----	1	-	----	-	-	----	-	----	----	1	1	--	--	--	--	--
Monroe	Total	310	17	8	21	29	25	18	27	38	41	38	22	26	129	11	7	9	17	11	12	6	7	9	6	8	19	13	10	16	17	3
	Males	159	12	7	9	12	14	7	12	22	22	17	12	13	61	9	1	6	5	3	9	3	2	5	3	7	11	8	5	9	10	2
	Females	148	4	1	12	16	11	10	15	16	19	21	10	13	65	2	6	3	12	8	3	3	5	4	3	1	8	5	5	7	7	1
	Unknown	3	1	--	--	1	----	1	-	-	----	--	-	----	3	----	----	-	----	-	-	----	-	----	----	-	--	--	--	--	--	--
Montcalm	Total	198	10	10	11	18	15	15	15	21	30	22	10	20	91	7	5	7	15	8	5	9	3	8	2		4	5	10	3	6	3
	Males	95	8	2	6	12	7	7	4	11	11	9	7	11	52	4	2	2	6	2	1	3	1	4	1		3	1	4	--	3	1
	Females	101	2	8	5	6	8	8	11	9	18	13	3	9	37	3	3	5	9	6	4	6	2	4	1		1	4	6	3	3	2
	Unknown	2	----	--	--	-	----	----	-	1	1	--	-	----	2	----	----	-	----	-	-	----	-	----	----		--	--	--	--	--	--

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																		
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Muskegon	Total	171	9	13	13	14	12	11	15	24	20	13	11	16	..	80	7	3	6	9	14	7	8	5	4	4	3	2	8	1	3	1	6
	Males	88	7	5	8	6	4	5	9	11	9	8	4	12	..	43	5	....	4	5	7	2	3	2	1	3	3	1	3	..	3	1	2
	Females	83	2	8	5	8	8	6	6	13	11	5	7	4	..	37	2	3	2	4	7	5	5	3	3	1	....	1	5	1	..	..	4
Newaygo	Total	78	4	7	7	6	6	6	3	7	2	10	8	12	..	34	5	2	4	4	2	4	....	6	2	....	2	..	2	5	2	..	4
	Males	43	2	3	5	4	4	3	..	3	1	5	6	7	..	18	2	2	1	1	1	2	....	3	2	....	1	..	2	4	2	..	2
	Females	33	2	3	2	2	2	3	3	4	1	5	2	4	..	14	3	....	3	3	1	2	....	3	....	....	1	..	..	1	..	..	2
	Unknown	2	....	1	....	....	....	....	..	....	....	....	....	1	..	2	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Oakland	Total	331	17	21	28	27	19	26	27	40	37	24	27	38	..	78	21	14	11	18	13	10	7	12	12	10	13	14	24	19	21	20	14
	Males	172	9	13	14	16	10	8	9	21	21	12	15	24	..	39	10	10	4	10	3	3	3	4	5	5	7	7	16	13	13	11	9
	Females	156	8	8	14	10	9	18	18	18	15	12	12	14	..	38	11	4	7	8	10	7	4	8	7	5	6	7	8	6	8	9	3
	Unknown	3	....	....	....	1	....	....	..	1	1	....	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	3
Oceana	Total	76	3	3	3	8	5	4	11	5	8	9	5	12	..	27	3	3	6	3	3	5	4	1	5	1	3	3	3	3	..	3	..
	Males	34	1	1	2	4	2	2	6	1	6	4	2	3	..	13	1	1	3	1	1	....	1	1	2	....	2	1	3	3	..	1	..
	Females	42	2	2	1	4	3	2	5	4	2	5	3	9	..	14	2	2	3	2	2	5	3	....	3	1	1	2	..	..	..	2	..
Ogemaw	Females	6	....	....	....	....	....	1	..	....	....	....	5	....	..	2	....	....	....	....	1	....	1	....	....	....	....	..	..	..	1	..	1
Ontonagon	Total	33	4	5	4	4	2	2	....	1	....	2	2	7	..	14	1	3	2	2	....	1	1	2	....	2	3	1	..	1	..	..	..
	Males	14	....	1	2	2	1	2	....	1	....	....	1	4	..	6	....	....	1	....	....	1	....	....	....	2	3	1	..	..	..	..	..
	Females	19	4	4	2	2	1	....	..	....	....	2	1	3	..	8	1	3	1	2	....	....	1	2	....	....	....	..	..	1	..	..	..

Osceola	Total	89	6	4	3	4	7	2	12	10	12	10	7	12	..	52	2	3	....	3	8	3	3	2	2	1	..	2	4	1	..	2	
	Males	44	6	2	2	2	2	1	6	4	5	4	4	6	..	32	1	....	....	....	3	1	2	1	1	..	..	1	1	1	..	..	..
	Females	45	..	2	1	2	5	1	6	6	7	6	3	6	..	20	1	3	....	3	5	2	1	1	1	1	..	1	3	..	..	2	1
Otsego	Males	2	..	..	..	....	..	..	....	..	....	..	1	1	..	2	..	....	....	....	..	.	....	....	..	..	..	..	..	..	..	..	..
Ottawa	Total	249	26	22	18	18	20	18	18	19	20	24	19	25	2	112	8	8	11	9	11	8	4	5	8	9	6	12	4	11	5	10	8
	Males	133	16	10	8	12	8	10	10	12	11	11	7	13	2	59	4	7	4	4	5	4	2	3	4	5	4	7	2	6	3	7	3
	Females	116	10	12	10	6	12	8	8	7	9	10	12	12	..	53	4	1	7	5	6	4	2	2	4	4	2	5	2	5	2	3	5
Presq'e Isle	Total	26	1	1	4	5	1	1	4	1	3	2	2	1	..	9	..	....	1	..	1	1	1	....	..	..	..	1	1	..	..	..	11
	Males	11	..	1	2	3	1	....	2	..	....	1	1	..	..	2	..	....	1	..	..	.	1	....	..	.	..	1	1	..	..	..	5
	Females	15	1	..	2	2	..	1	2	1	3	1	1	1	..	7	..	....	..	..	1	1	....	....	..	.	..	..	..	..	..	..	6
Roscommon	Males	6	..	..	..	....	1	1	..	..	1	2	1	..	..	1	..	1	..	..	2	.	....	....	..	.	1	..	..	..	..	..	1
Saginaw	Total	524	28	25	42	43	36	33	46	61	58	50	42	60	..	228	43	15	21	25	34	15	19	13	15	1	10	14	14	8	7	16	16
	Males	257	7	12	19	25	17	18	27	37	23	21	23	28	..	108	22	8	11	13	15	6	11	5	10	4	6	9	7	4	3	6	9
	Females	265	21	13	23	17	19	15	19	24	34	29	19	32	..	119	21	7	10	12	19	9	8	8	5	7	4	5	7	4	4	10	6
	Unknown	2	..	..	..	1	..	....	..	..	1	..	..	..	..	1	..	....	..	..	..	.	....	....	..	.	.	..	..	..	..	..	1
Sanilac	Total	135	4	6	10	14	12	12	5	9	14	17	18	14	..	64	12	2	5	4	9	.	5	2	4	4	5	6	4	2	2	4	1
	Males	71	2	4	8	8	6	7	3	3	10	5	9	6	..	33	7	2	2	2	2	.	....	1	3	4	3	4	2	1	1	3	1
	Females	63	2	2	2	6	6	5	2	6	4	11	9	8	..	30	5	....	3	2	7	.	5	1	1	.	2	2	2	1	1	1	..
	Unknown	1	..	..	..	..	..	....	..	..	..	1	..	..	..	1	..	....	..	..	..	.	....	....	..	.	.	..	..	..	..	..	..
Schoolcraft	Total	4	..	..	..	..	..	....	1	1	..	1	..	1	..	3	..	....	..	..	..	.	....	....	..	.	.	..	..	..	..	1	..
	Males	2	..	..	..	..	..	....	1	..	..	..	..	1	..	1	..	....	..	..	..	.	....	....	..	.	.	..	..	..	..	1	..
	Females	2	..	..	..	..	..	....	..	1	..	1	..	..	..	2	..	....	..	..	..	.	....	....	..	.	.	..	..	..	..	..	..

TABLE X.—CONTINUED.—*Deaths by Counties, by Sex, by Months, and by Age, 1878.*

COUNTIES.	SEX.	YEAR, 1878.	MONTHS, 1878.													AGES IN PERIODS OF YEARS, 1878.																	
			January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Shiawassee	Total	137	9	9	11	10	15	8	5	14	15	14	13	13	1	39	5	3	7	8	8	7	4	4	3	5	10	6	5	8	4	6	5
	Males	71	1	5	9	2	9	2	3	6	12	6	8	8	..	26	2	2	2	3	3	3	2	2	1	3	6	3	1	7	1	3	1
	Females	66	8	4	2	8	6	6	2	8	3	8	5	5	1	13	3	1	5	5	5	4	2	2	2	2	4	3	4	1	3	3	4
St. Clair	Total	319	21	17	19	19	21	25	23	40	19	34	31	50	..	131	18	10	9	17	12	10	11	10	5	11	12	15	14	9	12	13	..
	Males	171	9	11	13	7	16	16	12	18	11	20	11	27	..	73	6	3	3	12	6	5	7	3	2	6	8	10	10	7	5	5	..
	Females	148	12	6	6	12	5	9	11	22	8	14	20	23	..	58	12	7	6	5	6	5	4	7	3	5	4	5	4	2	7	8	..
St. Joseph	Total	204	10	17	17	12	19	10	13	23	24	22	16	22	..	49	17	3	13	14	9	9	3	7	8	6	8	10	14	13	8	9	4
	Males	102	7	8	9	7	7	5	7	9	10	12	12	9	..	24	7	1	9	5	3	7	....	5	4	4	2	4	10	7	5	4	1
	Females	102	3	9	8	5	12	5	6	13	14	10	4	13	..	25	10	2	4	9	6	2	3	2	4	2	6	6	4	6	3	5	3
Tuscola	Total	150	4	10	11	15	18	6	7	15	14	9	15	24	2	60	4	7	2	7	6	9	11	4	3	4	2	9	8	2	7	4	1
	Males	79	1	6	8	4	12	3	5	6	7	3	10	14	..	33	3	3	1	3	1	4	2	2	....	2	2	7	6	1	6	2	1
	Females	71	3	4	3	11	6	3	2	9	7	6	5	10	2	27	1	4	1		5	5	9	2	3	2	....	2	2	1	1	2	..
Van Buren	Total	248	12	17	13	19	19	19	15	23	35	23	21	32	..	73	19	4	9	11	3	6	16	4	12	9	15	8	18	13	17	8	3
	Males	135	4	11	6	8	12	8	9	13	20	10	12	22	..	41	11	2	5	3	....	2	4	2	10	5	12	4	10	5	12	6	1
	Females	112	8	6	7	11	7	11	6	10	15	12	9	10	..	31	8	2	4		3	4	12	2	2	4	3	4	8	8	5	2	2
	Unknown	1	....	....	....	....	....	....	....	....	....	1	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Washtenaw	Total	330	17	13	24	29	22	17	20	33	45	33	32	45	..	87	23	7	13	13	11	10	6	16	7	11	18	17	15	23	23	27	3
	Males	176	9	5	10	20	10	8	13	18	26	15	18	24	..	49	18	3	4	3	4	4	1	10	2	7	9	8	10	17	8	18	1
	Females	153	8	8	14	9	12	9	7	15	19	18	14	20	..	37	5	4	9	10	7	6	5	6	5	4	9	9	5	6	15	9	2
	Unknown	1	....	....	....	....	....	....	....	....	....	....	....	1	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Wayne	Total	1,949	141	150	152	182	125	130	187	180	149	150	163	239	1	881	117	50	65	64	76	72	94	63	74	61	57	60	44	50	57	55	9
	Males	1,038	71	83	72	93	70	65	102	102	79	80	83	138	..	476	54	19	33	34	36	34	52	35	44	31	32	38	28	28	29	29	6
	Females	896	68	66	79	88	54	65	85	78	67	70	79	96	1	390	63	31	32	30	40	38	42	28	30	30	25	22	16	22	28	26	3
	Unknown	15	2	1	1	1	1	....	....	....	3	....	1	5	..	15	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..
Wexford	Total	86	3	4	....	10	4	4	9	9	10	8	7	14	4	39	6	4	3	7	4	7	3	1	....	1	2	1	2	..	..	1	5
	Males	49	3	2	....	6	2	2	6	3	5	3	6	8	3	24	2	3	....	2	1	5	3	....	....	1	1	1	1	..	..	..	5
	Females	36	....	2	....	4	2	2	3	6	5	4	1	6	1	14	4	1	3	5	3	2	....	1	....	....	1	..	1	..	..	1	..
	Unknown	1	....	....	....	....	..	....	....	....	....	1	....	....	..	1	....	....	....	....	....	....	....	....	....	....	....	..	..	..	..	..	..

EXHIBIT I.—*Counties and Townships in which it is Reported that no Deaths Occurred in 1878, showing Population in 1874, by Sex.*

COUNTIES.	TOWNSHIPS HAVING NO DEATHS IN 1878.	POPULATION, 1874.		
		Total.	Males.	Females.
Total		9,270	5,186	4,084
Alcona	Comins[a]			
Alpena	Ossineke	110	78	32
Antrim	Forest Home	242	133	109
	Helena	539	299	240
	Kearney[a]			
	Mancelona	108	66	42
Baraga[a]	Arvon[a]			
Bay	Beaver	170	91	79
	Mason[a]			
	Moffit[a]			
Benzie	Colfax	79	35	44
	Gilmore	504	272	232
	Lake	40	22	18
	Weldon	53	28	25
Cheboygan	Burt	126	66	60
Clare	Frost[a]			
	Hayes[a]			
	Summerfield	134	73	61
	Winterfield	28	13	15
Crawford[a]	Frederick[a]			
	Grayling[a]			
Delta	Baldwin	261	169	92
	Nahma	164	87	77
Emmet	Center[a]			
G. Traverse	Grant	311	158	153
Huron	Bloomfield	148	80	68
Iosco	Grant	51	31	20
	Plainfield	119	71	48
Lake	Cherry Valley	104	50	54
	Eden[a]			
	Glencoe[a]			
	Lake	104	72	32
Manistee	Morilla	133	71	62
	Springdale	49	28	21
Marquette	Forsyth	34	25	9
Mason	Eden[a]			
	Lincoln	131	73	58
	Summit	271	148	123
Mecosta	Fork	153	88	65
	Martiny[a]			
	Morton[a]			
Midland	Geneva	131	81	50
Missaukee	Richland[a]			
	West Branch	64	52	12
Montcalm	Fairplain	929	518	411
Muskegon	Blue Lake	297	180	117
	Cedar Creek	291	165	126
Newaygo	Dayton	975	523	452
	Monroe	168	102	66
Ogemaw[a]	Churchill[a]			
	Cumming[a]			
	Klacking[a]			
Ontonagon	Carp Lake	76	52	24
Otsego[a]	Charlton[a]			
	Corwith[a]			
	Dover[a]			
	Elmira[a]			
	Hayes[a]			
	Livingston[a]			
Saginaw	James[a]			
	Jonesfield	194	114	80
Sanilac	Austin	465	246	219
	Elmer	64	33	31
	Evergreen	98	53	45
Tuscola	Geneva	207	114	93
	Watertown	804	424	380
Wexford	Antioch	163	84	79
	Boon[a]			
	Henderson	75	45	30
	Sherman[a]			
	Springville	103	73	30

[a] Organized since Census was taken.

Table XI. shows the number of deaths in Michigan in 1878, by sex and by color of decedents. The last column in the table contains the per cent. of decedents of each color to decedents of all colors, and shows that 97.60 per cent. of all the decedents were white. By reference to page 20 it may be seen that 98.73 per cent. of all the children born were white, and by reference to page 77 it appears that 97.91 per cent. of all the persons married were white.

TABLE XI.—*Deaths in Michigan during the Year 1878, distinguishing the Color by Number and Proportion of each Sex; and, by Sex, the Per Cent. of Decedents of each Color to Total of All Colors.*

COLOR.	SEX.	Deaths Returned, 1878.	Per Cent. of Deaths of Each Sex to Total of Both Sexes.	Males to 100 Females.	Per Cent. of Deaths of each Color to Total of All Colors, by Sex.
All Colors	Total	12,766	.....	.....	100.00
	Males	6,632	52.16	109.04	100.00
	Females	6,082	47.84	.....	100.00
	Unknown	52	.....	.....	73.08
White	Total	12,459	.....	.....	97.60
	Males	6,489	52.24	109.39	97.84
	Females	5,932	47.76	.....	97.53
	Unknown	38	.....	.....	.....
Black	Total	99	.....	.....	.78
	Males	49	49.49	98.00	.74
	Females	50	50.51	.....	.82
Mulatto	Total	58	.....	.....	.45
	Males	22	37.93	61.11	.33
	Females	36	62.07	.....	.59
Indian	Total	118	.....	.....	.92
	Males	64	54.24	118.52	.97
	Females	54	45.76	.....	.89
Unknown	Total	32	.....	.....	.25
	Males	8	44.44	80.00	.12
	Females	10	55.56	.....	.16
	Unknown	14	.....	.....	26.92
Black and Mulatto	Total	157	.....	.....	.12
	Males	71	45.22	82.56	1.07
	Females	86	54.78	.....	1.41

TABLE XII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Color of All Persons Returned as having Died in Michigan during the Year ending December 31, 1878.*

STATE AND COUNTIES.	All Colors,—1878.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
State	12,766	6,632	6,082	52	12,459	6,489	5,932	38	99	[a] 49	[b] 50	58	22	36	118	[c] 64	[d] 54	32	8	10	14
Alcona	19	13	6	..	19	13	6	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Allegan	278	139	138	1	269	135	133	1	1	1	..	4	..	4	4	3	1	....	..	..	..
Alpena	60	36	23	1	60	36	23	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Antrim	33	18	15	..	32	17	15	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Baraga	23	9	14	..	9	5	4	..	....	..	..	....	..	..	14	[e] 4	10	....	..	..	..
Barry	139	63	76	..	139	63	76	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Bay	247	142	105	..	245	141	104	..	2	[f] 1	1	....	..	..	....	..	..	....	..	..	..
Benzie	13	9	4	..	13	9	4	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Berrien	313	161	150	2	302	154	147	1	6	[g] 5	1	3	2	1	....	..	..	2	..	1	1
Branch	204	109	94	1	204	109	94	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Calhoun	260	126	131	3	243	121	119	3	9	2	7	1	1	..	....	..	..	7	2	5	..
Cass	223	116	107	..	192	104	88	..	9	3	6	21	8	13	....	..	..	1	1	..	..
Charlevoix	32	18	14	..	29	17	12	..	....	..	..	....	..	..	3	1	2	....	..	..	..
Cheboygan	71	32	38	1	67	31	35	1	....	..	..	....	..	..	4	1	[h] 3	....	..	..	..
Chippewa	41	25	16	..	21	13	8	..	....	..	..	....	..	..	20	[i] 12	[j] 8	....	..	..	..
Clare	20	10	9	1	20	10	9	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Clinton	247	125	122	..	246	125	121	..	1	..	1	....	..	..	....	..	..	....	..	..	..
Crawford	4	3	1	..	4	3	1	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Delta	42	28	14	..	38	24	14	..	....	..	..	....	..	..	4	4	..	....	..	..	..
Eaton	273	125	148	..	273	125	148	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Emmet	66	36	30	..	39	21	18	..	....	..	..	....	..	..	27	15	12	....	..	..	..
Genesee	306	149	157	..	304	148	156	..	2	1	1	....	..	..	....	..	..	....	..	..	..
Gladwin	7	5	2	..	7	5	2	..	....	..	..	....	..	..	....	..	..	....	..	..	..
G'd Traverse	49	20	29	..	49	20	29	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Gratiot	111	50	61	..	111	50	61	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Hillsdale	288	146	142	..	282	142	140	..	5	4	1	1	..	1	....	..	..	....	..	..	..
Houghton	263	155	105	3	263	155	105	3	....	..	..	....	..	..	....	..	..	....	..	..	..

[a] Includes 8 "Colored," and 1 Negro.
[b] Includes 3 "Colored."
[c] Includes 11 "Half-breed," 4 White and Indian, 1 "Half-Indian," and 1 "Red."
[d] Includes 8 "Half-breed," 7 White and Indian, and 1 "Red."
[e] 1 White and Indian, and 1 "Half-Indian."
[f] Negro.
[g] 3 "Colored."
[h] 1 White and Indian.
[i] 11 "Half-breed."
[j] 8 "Half-breed."

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1878.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Huron	101	54	47	..	101	54	47	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Ingham	193	106	87	..	191	105	86	..	1	[a]1	..	....	..	..	....	..	..	1	..	1	..
Ionia	230	114	115	1	229	113	115	1	....	..	..	....	..	..	....	..	..	1	1	..	..
Iosco	52	33	19	..	52	33	19	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Isabella	75	49	26	..	74	48	26	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Isle Royal[b]	.....	.....	.....	..	.....	.....	.....	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Jackson	347	190	157	..	340	188	152	..	7	[a]2	5	....	..	..	....	..	..	....	..	..	..
Kalamazoo	281	144	136	1	268	141	127	..	10	2	[a]8	1	..	1	....	..	..	2	1	..	1
Kalkaska	18	9	9	..	18	9	9	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Kent	560	266	291	3	554	264	290	..	3	2	1	....	..	..	....	..	..	3	..	..	3
Keweenaw	52	30	21	1	52	30	21	1	....	..	..	....	..	..	....	..	..	....	..	..	..
Lake	22	8	14	..	22	8	14	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Lapeer	180	102	77	1	179	101	77	1	....	..	..	1	1	..	....	..	..	....	..	..	..
Leelanaw	49	22	27	..	45	21	24	..	....	..	..	1	..	1	3	1	2	....	..	..	..
Lenawee	330	167	162	1	323	162	160	1	4	3	1	3	2	1	....	..	..	....	..	..	..
Livingston	156	72	84	..	156	72	84	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Mackinac	15	4	11	..	5	1	4	..	....	..	..	....	..	..	10	[c]3	[d]7	....	..	..	..
Macomb	279	147	132	..	279	147	132	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manistee	84	45	39	..	84	45	39	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Manitou	6	3	3	..	6	3	3	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Marquette	227	141	86	..	227	141	86	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Mason	61	40	21	..	54	36	18	..	....	..	..	....	..	..	7	4	3	....	..	..	..
Mecosta	73	31	42	..	70	30	40	..	1	..	1	2	1	1	....	..	..	....	..	..	..
Menominee	9	6	3	..	8	5	3	..	....	..	..	....	..	..	1	1	..	....	..	..	..
Midland	52	18	34	..	51	18	33	..	....	..	..	1	..	1	....	..	..	....	..	..	..
Missaukee	21	11	10	..	20	10	10	..	....	..	..	1	1	..	....	..	..	....	..	..	..
Monroe	310	159	148	3	308	159	148	1	....	..	..	....	..	..	....	..	..	2	..	..	2
Montcalm	198	95	101	2	194	95	99	..	....	..	..	....	..	..	....	..	..	4	..	2	2
Muskegon	171	88	83	..	171	88	83	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Newaygo	78	43	33	2	76	42	33	1	1	1	..	....	..	..	....	..	..	1	..	..	1
Oakland	331	172	156	3	327	171	154	2	1	1	..	2	..	2	....	..	..	1	..	..	1
Oceana	76	34	42	..	71	31	40	..	....	..	..	....	..	..	5	3	2	....	..	..	..
Ogemaw	6	.....	6	..	6	.....	6	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Ontonagon	33	14	19	..	33	14	19	..	....	..	..	....	..	..	....	..	..	....	..	..	..
Osceola	89	44	45	..	88	43	45	..	....	..	..	....	..	..	1	1	..	....	..	..	..

[a] 1 "Colored."
[b] No returns from county clerk to the State Department.
[c] 3 White and Indian. [d] 6 White and Indian.

TABLE XII.—CONTINUED.—*Deaths by Counties, by Color, and by Sex.*

COUNTIES.	All Colors,—1878.				White.				Black.			Mulatto.			Indian.			Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Total.	Males.	Females.	Unknown.
Otsego	2	2	.....	..	2	2	.....	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Ottawa	249	133	116	..	249	133	116	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Presque Isle	26	11	15	..	26	11	15	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Roscommon	6	6	.....	..	6	6	.....	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Saginaw	524	257	265	2	513	250	262	1	....	...	..	1	..	1	8	7	1	2	..	1	1
Sanilac	135	71	63	1	134	71	63	..	....	...	..	....	..	..	....	..	..	1	..	..	1
Schoolcraft	4	2	2	..	4	2	2	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Shiawassee	137	71	66	..	137	71	66	..	....	...	..	....	..	..	....	..	..	....	..	..	..
St. Clair	319	171	148	..	316	169	147	..	1	...	1	....	..	..	....	..	..	2	2	..	..
St. Joseph	204	102	102	..	204	102	102	..	....	...	..	....	..	..	....	..	..	....	..	..	..
Tuscola	150	79	71	..	148	78	70	..	....	...	..	....	..	..	2	a1	a1	....	..	..	..
Van Buren	248	135	112	1	239	132	106	1	3	b2	1	4	1	3	2	..	2	....	..	..	..
Washtenaw	330	176	153	1	320	171	148	1	6	b4	c2	3	..	3	....	..	..	1	1	..	..
Wayne	1,949	1,038	896	15	1,913	1,018	881	14	26	b14	12	8	5	3	1	1	..	1	..	..	1
Wexford	86	49	36	1	86	49	36	1	....	...	..	....	..	..	....	..	..	....	..	..	..

a "Red."
b 1 "Colored."
c 2 "Colored."

The proportion of decedents of each nativity for each of the years 1874–1878 may be studied in Exhibit 6. The usual proportion of decedents in this State is about four-fifths of native of U. S. A., the average proportion of decedents who were natives of U. S. A. for the seven years 1872–1878 being 80.26 per cent., and of the foreign-born 16.93 per cent.

EXHIBIT 6.—*Nativity of Decedents in Michigan during each of the Years 1874–1878, according to the Returns.*

NATIVITY OF DECEDENTS.	Deaths, 1874.		Deaths, 1875.		Deaths, 1876.		Deaths, 1877.		Deaths, 1878.		Av. for 9 years ending with 1877.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Nativities	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	12,763	100.00	11,917	100.00
Native	9,937	79.50	9,573	79.84	10,147	80.69	10,305	79.77	10,183	79.77	9,606	80.61
Foreign	2,121	17.02	2,106	17.57	2,078	16.52	2,251	17.42	2,237	17.52	1,949	16.35
Unknown	435	3.48	311	2.59	351	2.79	363	2.81	346	2.71	362	3.04

TABLE XIII.—*Exhibiting, by Number and by Sex, for the State and Counties, the Nativity of all Persons Returned as having Died in Michigan during the Year ending December 31, 1878.*

STATE AND COUNTIES.	All Nativities, 1878.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
State	12,766	6,632	6,082	52	10,183	5,222	4,911	50	2,237	1,217	1,019	1	346	193	152	1
Alcona	19	13	6	....	11	8	3	....	7	4	3	....	1	1	....	...
Allegan	278	139	138	1	237	113	123	1	32	21	11	....	9	5	4	...
Alpena	60	36	23	1	47	30	16	1	12	6	6	....	1	....	1	...
Antrim	33	18	15	....	25	13	12	....	5	2	2	....	3	2	1	...
Baraga	23	9	14	....	22	8	14	....	1	1	.....	....	....	....	....	...
Barry	139	63	76	....	127	59	68	....	10	4	6	....	2	....	2	...
Bay	247	142	105	....	190	110	80	....	51	28	23	....	6	4	2	...
Benzie	13	9	4	....	11	8	3	....	2	1	1	....	....	....	....	...
Berrien	313	161	150	2	261	132	127	2	41	20	21	....	11	9	2	...
Branch	204	109	94	1	192	101	90	1	7	6	1	....	5	2	3	...
Calhoun	260	126	131	3	225	111	112	2	32	15	17	....	3	....	2	1
Cass	223	116	107	....	215	111	104	....	6	4	2	....	2	1	1	...
Charlevoix	32	18	14	....	23	13	10	....	7	5	2	....	2	....	2	...
Cheboygan	71	32	38	1	36	14	21	1	10	4	6	....	25	14	11	...
Chippewa	41	25	16	....	27	18	9	....	12	6	6	....	2	1	1	...
Clare	20	10	9	1	16	6	9	1	2	2	.....	....	2	2	....	...
Clinton	247	125	122	....	215	110	105	....	27	13	14	....	5	2	3	...
Crawford	4	3	1	....	4	3	1	....	.....	.....	.....	....	....	....	....	...
Delta	42	28	14	....	26	17	9	....	15	10	5	....	1	1	....	...
Eaton	273	125	148	....	251	112	139	....	15	8	7	....	7	5	2	...
Emmet	66	36	30	....	57	30	27	....	4	3	1	....	5	3	2	...
Genesee	306	149	157	....	256	117	139	....	48	31	17	....	2	1	1	...
Gladwin	7	5	2	....	3	2	1	....	2	1	1	....	2	2	....	...
Gr. Traverse	49	20	29	....	46	19	27	....	2	1	1	....	1	....	1	...
Gratiot	111	50	61	....	103	46	57	....	6	3	3	....	2	1	1	...
Hillsdale	288	146	142	....	261	134	127	....	20	8	12	....	7	4	3	...
Houghton	263	155	105	3	203	113	87	3	59	41	18	....	1	1	....	...
Huron	101	54	47	....	69	39	30	....	30	15	15	....	2	....	2	...
Ingham	193	106	87	....	164	89	75	....	25	15	10	....	4	2	2	...
Ionia	230	114	115	1	203	100	102	1	20	11	9	....	7	3	4	...
Iosco	52	33	19	....	39	25	14	....	12	7	5	....	1	1	....	...
Isabella	75	49	26	....	65	44	21	....	9	4	5	....	1	1	....	...

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1878.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Isle Royal.[a]	.....	.....	.....	....	.....	.....	.....	....	.....	.....	.....	....	....	....	....	...
Jackson	347	190	157	....	303	161	142	....	40	25	15	....	4	4	....	...
Kalamazoo	281	144	136	1	227	113	113	1	37	22	15	....	17	9	8	...
Kalkaska	18	9	9	....	17	8	9	....	1	1	.....	....	....	....	....	...
Kent	560	266	291	3	434	200	231	3	102	56	46	....	24	10	14	...
Keweenaw	52	30	21	1	41	23	17	1	8	5	3	....	3	2	1	...
Lake	22	8	14	....	18	5	13	....	3	2	1	....	1	1	....	...
Lapeer	180	102	77	1	147	90	56	1	29	10	19	....	4	2	2	...
Leelanaw	49	22	27	....	33	15	18	....	16	7	9	....	....	....	....	...
Lenawee	330	167	162	1	276	141	134	1	54	26	28	....	....	....	....	...
Livingston	156	72	84	....	130	60	70	....	24	12	12	....	2	....	2	...
Mackinac	15	4	11	....	14	4	10	....	1	.....	1	....	....	....	....	...
Macomb	279	147	132	....	213	113	100	....	64	33	31	....	2	1	1	...
Manistee	84	45	39	....	63	31	32	....	20	14	6	....	1	....	1	...
Manitou	6	3	3	....	3	2	1	....	3	1	2	....	....	....	....	...
Marquette	227	141	86	....	179	109	70	....	46	30	16	....	2	2	....	...
Mason	61	40	21	....	56	35	21	...	5	5	.....	....	....	....	....	...
Mecosta	73	31	42	....	54	23	31	....	15	6	9	....	4	2	2	...
Menominee	9	6	3	....	6	3	3	....	2	2	.....	....	1	1	....	...
Midland	52	18	34	....	41	13	28	....	10	4	6	....	1	1	....	...
Missaukee	21	11	10	....	17	9	8	....	4	2	2	....	....	....	....	...
Monroe	310	159	148	3	243	118	122	3	63	39	24	....	4	2	2	...
Montcalm	198	95	101	2	166	81	83	2	27	11	16	....	5	3	2	...
Muskegon	171	88	83	....	125	62	63	....	39	22	17	....	7	4	3	...
Newaygo	78	43	33	2	68	35	31	2	7	5	2	....	3	3	....	...
Oakland	331	172	156	3	275	141	131	3	53	30	23	....	3	1	2	...
Oceana	76	34	42	....	65	30	35	....	8	3	5	....	3	1	2	...
Ogemaw	6	.....	6	....	2	.....	2	....	4	.....	4	....	....	....	....	...
Ontonagon	33	14	19	....	22	8	14	....	11	6	5	....	....	....	....	...
Osceola	89	44	45	....	73	37	36	....	14	6	8	....	2	1	1	...
Otsego	2	2	.....	....	2	2	.....	....	.....	.....	.....	....	....	....	....	...
Ottawa	249	133	116	....	185	92	93	....	58	37	21	....	6	4	2	...
Presque I.	26	11	15	....	12	4	8	....	5	3	2	....	9	4	5	...

[a] No returns from the county clerk to the State Department.

TABLE XIII.—CONTINUED.—*Deaths by Counties, Nativity, and Sex.*

COUNTIES.	All Nativities, 1878.				Native.				Foreign.				Unknown.			
	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.	Total.	Males.	Females.	Unknown.
Roscommon	6	6	----	----	5	5	----	----	1	1	----	----	----	----	----	---
Saginaw	524	257	265	2	366	178	187	1	131	65	65	1	27	14	13	---
Sanilac	135	71	63	1	98	52	45	1	36	18	18	----	1	1	----	---
Schoolcraft	4	2	2	----	3	1	2	----	1	1	----	----	----	----	----	---
Shiawassee	137	71	66	----	124	65	59	----	12	6	6	----	1	----	1	---
St. Clair	319	171	148	----	227	118	109	----	91	52	39	----	1	1	----	---
St. Joseph	204	102	102	----	170	87	83	----	28	11	17	----	6	4	2	---
Tuscola	150	79	71	----	122	65	57	----	26	13	13	----	2	1	1	---
Van Buren	248	135	112	1	223	118	104	1	20	13	7	----	5	4	1	---
Washtenaw	330	176	153	1	248	128	119	1	80	48	32	----	2	----	2	---
Wayne	1,949	1,038	896	15	1,392	745	632	15	492	257	235	----	65	36	29	---
Wexford	86	49	36	1	65	37	27	1	15	6	9	----	6	6	----	---

CAUSES OF DEATH.

This is certainly the most important subject which is studied in connection with Vital Statistics. The direct causes of the deaths are here introduced, to try and discover where in the State the deaths took place, what were the diseases most fatal, at what season of the year they occurred, and whether they were more fatal among the young, the middle-aged, or the old. One cause of regret is that greater accuracy cannot be obtained in the record of the causes of death.

In Table XIV. may be seen the several classes which include the causes of death in Michigan during each of the years 1874–1878. Class I.,—Zymotic diseases,—represents nearly one-quarter (24.45 per cent.) of all the deaths during the year 1878, and for the seven years 1872–1878 the proportion of deaths from this class of causes averages 26.47 per cent. Constitutional diseases caused 17.94 per cent. of all the deaths reported for 1878; local diseases caused 27.27 per cent.; developmental diseases caused 14.29 per cent.; and violent deaths composed 5.41 per cent. of all the deaths in 1878. The proportion of deaths from the unknown and unclassified causes was smaller in 1878 than in any previous year except 1876.

TABLE XIV.—*Number of Deaths Returned as having occurred in Michigan from All Causes, and from each Class of Causes, and the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, for each of the Years 1874 to 1878, inclusive.*

CAUSES OF DEATH, CLASSES	1874.		1875.		1876.		1877.		1878.		AVERAGE FOR NINE YEARS, ENDING WITH 1877.	
	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.	Number.	Per Ct. of Total.
All Causes	12,500	100.00	11,990	100.00	12,576	100.00	12,919	100.00	12,766	100.00	11,917	100.00
I.—Zymotic	3,260	26.08	2,798	23.34	3,094	24.60	3,319	25.69	3,121	24.45	3,276	27.49
II.—Constitutional	2,117	16.93	2,190	18.27	2,348	18.67	2,454	19.00	2,290	17.94	2,124	17.82
III.—Local Diseases	3,697	29.58	3,565	29.73	3,647	29.00	3,506	27.14	3,481	27.27	3,377	28.34
IV.—Developmental	1,256	10.05	1,353	11.28	1,458	11.59	1,527	11.82	1,825	14.29	1,164	9.77
V.—Violent Deaths	656	5.25	646	5.39	747	5.94	654	5.06	691	5.41	603	5.06
Unknown and Unclassified	1,514	12.11	1,438	11.99	1,282	10.19	1,459	11.29	1,358	10.64	1,372	11.51

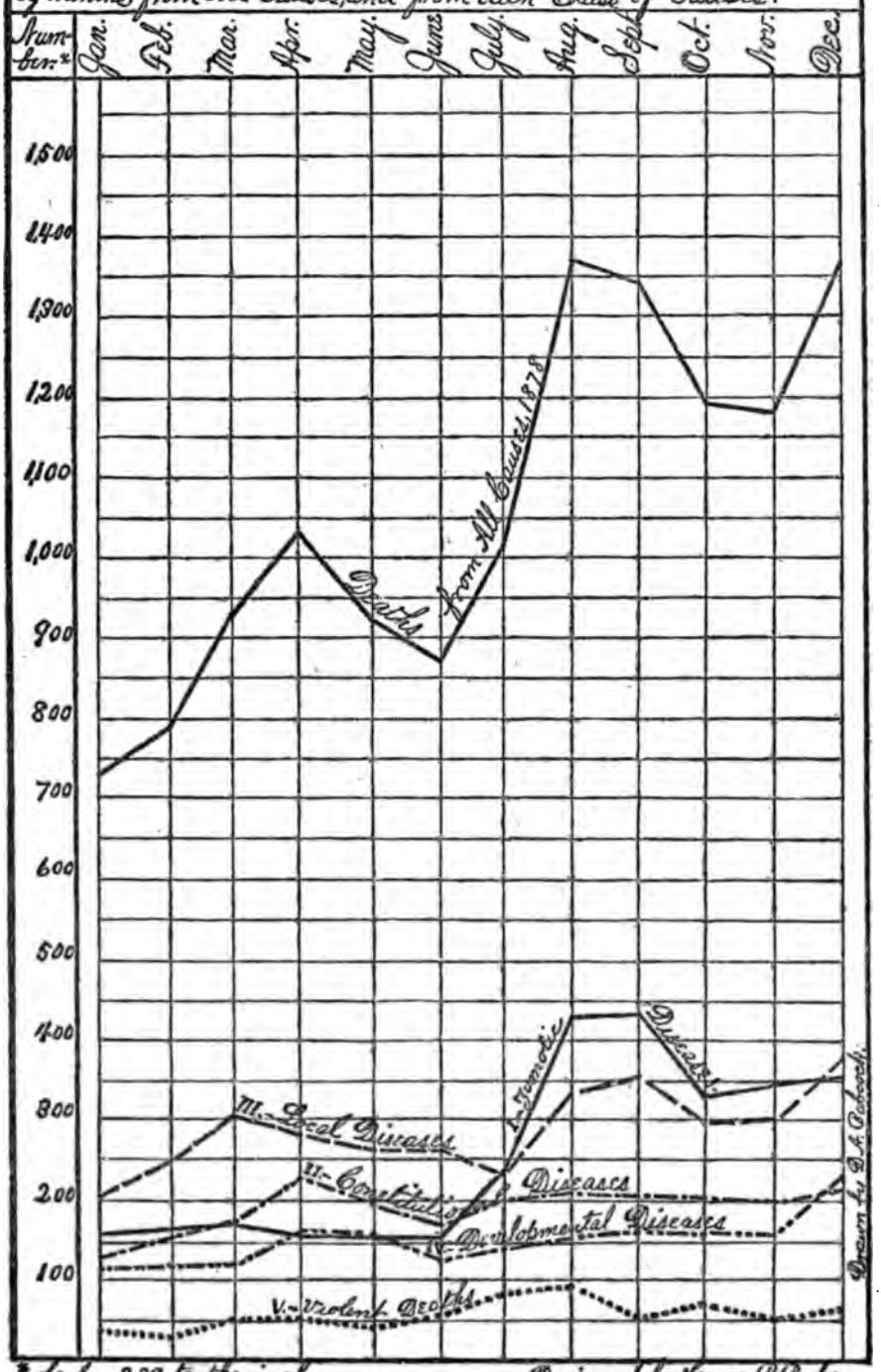
Exhibit 7 shows, by months, the number of deaths in Michigan during the year 1878 from all causes and from each class of causes. From Zymotic diseases, the largest number occurred in September; from constitutional diseases the largest number occurred in April; from local diseases and from developmental diseases, the largest number occurred in December; and the largest number of violent deaths were returned for August.

EXHIBIT 7.—*By Months, the Number of Deaths Returned as having Occurred in Michigan from All Causes and from each Class of Causes during the year 1878.*

CAUSES OF DEATH,—CLASSES.	YEAR, 1878.	MONTHS OF DEATH, 1878.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
All Causes	12,766	730	789	930	1029	923	870	1,017	1,371	1,343	1,190	1,181	1,369	24
I.—Zymotic	3,121	162	166	173	163	156	156	240	430	433	334	345	360	3
II.—Constitutional	2,290	127	158	178	228	197	170	200	209	205	202	200	212	4
III.—Local Diseases	3,481	205	249	304	286	265	262	235	337	353	299	300	379	7
IV.—Developmental	1,825	113	116	121	163	162	127	141	155	167	165	160	233	2
V.—Violent Deaths	691	37	27	51	53	44	59	84	91	55	68	52	68	2
Unknown and Unclassified	1,358	86	73	103	36	99	96	117	149	130	122	124	117	6

Diagram No. 4.

Deaths Returned as having occurred in Michigan in 1878, by months, from All Causes, and from each Class of Causes.



* Scale = 239 to the inch.

Designed by Henry R. Baker.

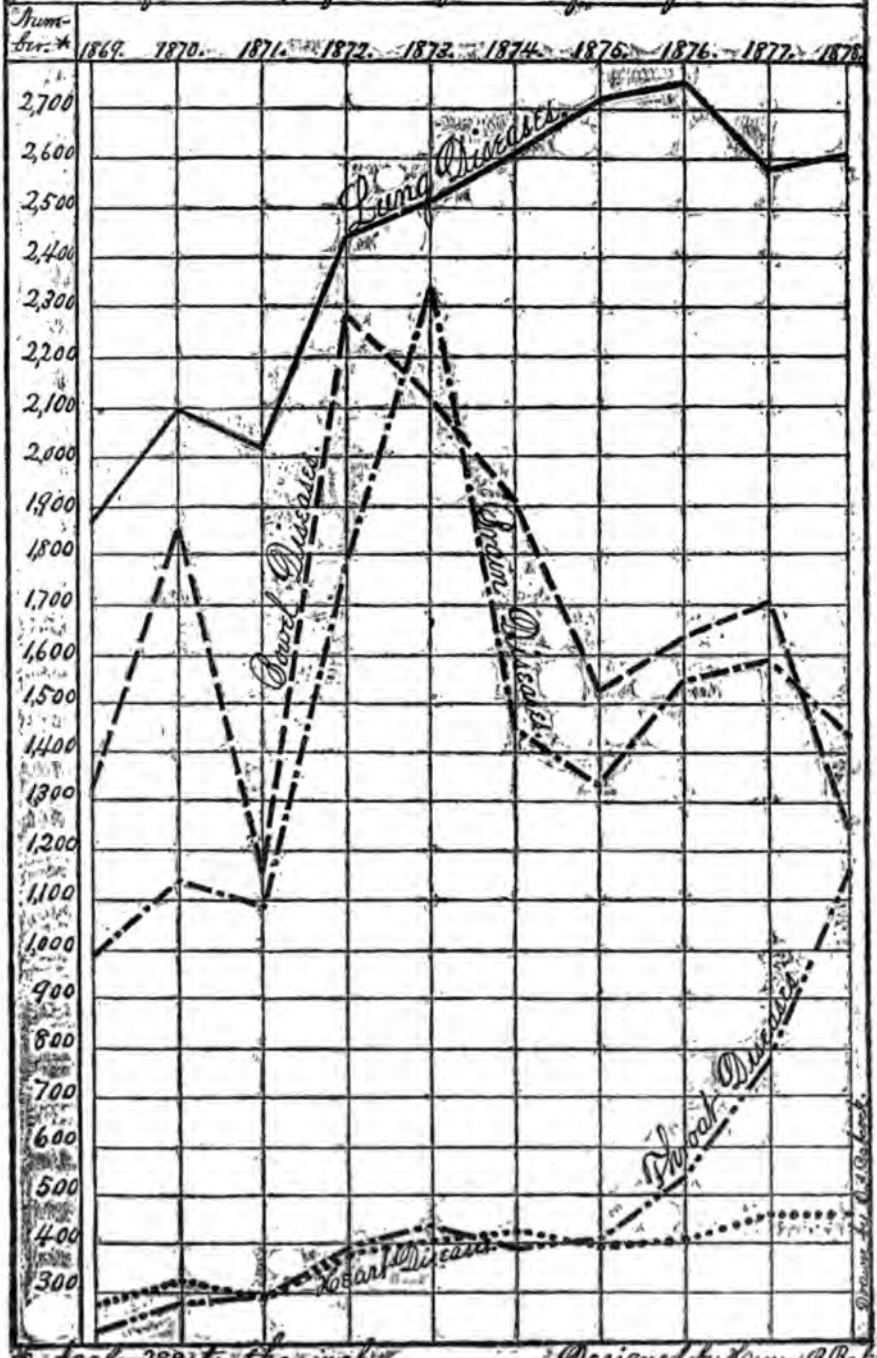
In Exhibit 8 the number and per cent. of deaths from certain groups of causes are shown. The number of deaths from the group of lung diseases is greater than from any other group, more than one-fifth (20.44 per cent.) of the deaths from all causes in 1878 having been caused by lung diseases, as shown by this exhibit. The year 1878 seems, in this regard, to have been about an average year, as the average per cent. of deaths from lung diseases for the seven years 1872–1878 was 20.25 per cent., as figured from Exhibit 8. In 1878 and 1873, the group of brain diseases was next to lung diseases in the order of greatest number of deaths first, but in each of the other years bowel diseases preceded brain diseases. It may be seen that the proportion of deaths from throat diseases has constantly increased since 1872, the proportion in 1872 being 2.92 per cent.; in 1873, 3.04 per cent.; in 1874, 3.16 per cent.; in 1875, 3.39 per cent.; in 1876, 4.30 per cent.; in 1877, 6.05 per cent.; and in 1878, 9.09 per cent.

EXHIBIT 8.—*Order of Succession of Five Groups of Causes of Deaths in Michigan for each of the Years 1873 to 1876, inclusive, and of Six Groups for the Years 1877 and 1878, according to the Returns.*

Order.	1873.			1874.			1875.			1876.			1877.			1878.		
	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.	Diseases of	Number.	Per Ct. to All Causes.
....	All Caus.	14,258	100.00	All Caus.	12,500	100.00	All Caus.	11,990	100.00	All Caus.	12,576	100.00	All Caus.	12,919	100.00	All Caus.	12,766	100.00
1	Lungs...	2,511	17.61	Lungs...	2,605	20.84	Lungs...	2,720	22.69	Lungs...	2,753	21.89	Lungs...	2,584	20.00	Lungs...	2,609	20.44
2	Brain....	2,336	16.38	Bowels..	1,907	15.26	Bowels..	1,521	12.69	Bowels..	1,633	12.98	Bowels..	1,702	13.17	Brain....	1,440	11.26
3	Bowels..	2,121	14.89	Brain...	1,450	11.60	Brain....	1,338	11.16	Brain....	1,549	12.31	Brain....	1,592	12.32	Bowels..	1,247	9.77
4	Throat..	434	3.04	Heart...	420	3.36	Throat..	406	3.39	Throat..	541	4.30	Throat..	781	6.05	Throat..	1,160	9.09
5	Heart...	402	2.82	Throat..	395	3.16	Heart...	391	3.26	Heart...	405	3.22	Heart...	460	3.56	Heart...	452	3.54
													Liver....	126	.98	Liver....	143	1.12
1-5	5 Groups	7,804	54.74	5 Groups	6,777	54.22	5 Groups	6,376	53.19	5 Groups	6,881	54.72	6 Groups	7,245	56.08	6 Groups	7,051	55.23

Diagram No. 5.

Deaths Returned as having occurred in Michigan from each of Five Groups of Causes, for each of the Years 1869-1878.



* Scale 288 to the inch.

Designed by Henry B. Baker.

EXHIBIT J.—*Eleven Geographical Divisions of the State, formed for the purpose of facilitating the study of Causes of Death, with a list of Counties included in each Division.*

Upper Peninsular.	North-western.	Northern.	North-eastern.	Western.	Northern Central.	Bay and Eastern.	Central.	South-western.	Southern Central.	South-eastern.
Baraga	Benzie	Antrim[e]	Alcona	Kent	Clare	Bay	Barry	Allegan	Branch	Macomb.
Chippewa[a]	Gr. Traverse.	Charlevoix.	Alpena	Lake	Gladwin	Huron	Clinton	Berrien	Calhoun	Monroe.
Delta	Leelanaw	Cheboygan.	Iosco[f]	Mason	Isabella[h]	Lapeer	Eaton	Cass	Hillsdale	Oakland.
Houghton	Manistee	Crawford	Ogemaw	Muskegon[g]	Mecosta	Saginaw	Genesee	Van Buren.	Jackson	Wayne.[k]
Isle Royal	Manitou	Emmet	Presque Isle	Newaygo	Midland	Sanilac	Gratiot		Kalamazoo	
Keweenaw	Missaukee	Kalkaska		Oceana	Roscommon	St. Clair[i]	Ingham		Lenawee	
Mackinac[b]	Wexford	Otsego		Osceola		Tuscola	Ionia		St. Joseph	
Marquette				Ottawa			Livingston		Washtenaw	
Menominee[c]							Montcalm			
Ontonagon							Shiawassee[j]			
Schoolcraft[d]										

No returns of deaths from the following townships:
[a] Detour and Sugar Island. [b] Hendricks, Holmes, Newton, and St. Ignace. [c] Cedarville, Ingalliston, Menominee, and Spaulding. [d] Munising and Onota.
[e] Central Lake. [f] Oscoda. [g] Montague. [h] Rolland. [i] St. Clair. [j] Burns. [k] Grosse Point.

Table XV. shows the number and proportion of deaths from all causes in 1878 in each of the geographical divisions of Michigan, and the per cent. of deaths from each class of causes to deaths from all causes. The southeastern division shows the largest proportion of deaths from all causes. The proportion of deaths from Zymotic diseases was greatest in the northern-central division, least in the western; the proportion from constitutional diseases was greatest in the southern-central, least in the northern-central; the proportion from local diseases was greatest in the southwestern, least in the northern; the proportion from developmental diseases was greatest in the northwestern, least in the northern; the proportion from violent deaths was greatest in the upper peninsular, least in the northern; and the proportion of deaths from the unknown and unclassified causes was greatest in the northern, least in the southern-central division.

TABLE XV.—*Exhibiting for the State and for each of Eleven Geographical Divisions of the State, the Number of Deaths Returned, and the Per Cent. of Deaths in each Division to Total Deaths in the State during the Year 1878; also, the Per Cent. of Deaths from each Class of Causes to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.	Deaths Reported, 1878.		Per Cent. of Deaths from each Class of Causes to Deaths from All Causes, by Geographical Divisions.					
	Number.	Per Ct. of Total.	Class I. Zymotic Diseases.	Class II. Constitutional Diseases.	Cl'ss III. Local Diseases.	Cl'ss IV. Developmental Diseases.	Class V. Violent Deaths.	Unk. and Unclassified.
State	12,766	100.00	24.45	17.94	27.27	14.29	5.41	10.64
Upper-Peninsular	709	5.55	25.53	10.30	18.19	14.25	9.87	21.86
North-western	308	2.41	24.35	15.91	20.78	19.15	9.42	10.39
Northern	226	1.77	33.63	11.06	15.93	6.19	3.10	30.09
North-eastern	163	1.28	25.15	17.79	20.86	8.59	8.59	19.02
Western	1,306	10.23	19.83	19.07	25.73	15.77	7.50	12.10
Northern-Central	233	1.83	27.04	10.30	24.89	17.17	9.44	11.16
Bay and Eastern	1,656	12.97	25.06	16.85	25.72	14.07	6.34	11.96
Central	1,990	15.59	24.87	19.55	29.65	13.62	4.17	8.14
South-western	1,062	8.32	25.33	17.61	32.11	11.02	5.74	8.19
Southern-Central	2,244	17.58	23.08	20.10	31.51	14.22	4.06	7.04
South-eastern	2,869	22.47	25.41	18.65	26.49	15.72	3.87	9.86

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	STATE.	COUNTIES.—1878.																									
		Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
IV.—ORDER 3. Dev. Dis. of Old People.	579	....	13	....	....	....	5	8	....	8	4	19	10	2	1	4	....	10	....	....	9	2	24	....	4	3
1. Old Age	579	....	13	....	....	....	5	8	....	8	4	19	10	2	1	4	....	10	....	....	9	2	24	....	4	3
IV.—ORDER 4. Diseases of Nutrition	129	....	2	....	....	....	1	1	1	4	3	2	1	....	1	....	....	....	....	....	2	....	3	....	1	....
1. Atrophy and Debility	129	....	2	....	....	....	1	1	1	4	3	2	1	....	1	....	....	....	....	....	2	....	3	....	1	....
CLASS V.—VIOLENT DEATHS	691	3	24	3	2	1	10	14	1	19	12	14	8	2	1	5	2	3	....	7	8	1	12	1	4	2
V.—ORDER 1. Accident or Negligence.	415	....	13	2	2	....	5	13	....	13	6	8	6	2	1	4	2	2	....	5	4	1	3	1	4	2
1. Fractures and Contusions	62	....	3	....	....	....	....	3	....	2	1	1	1	....	....	1	....	....	....	3	....	....	....	....	....	....
2. Wounds	18	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....
3. Burns and Scalds	67	....	2	....	....	....	....	3	....	....	1	....	....	....	....	....	1	1	....	....	1	1	1	....	2	1
4. Poison	37	....	1	1	....	....	....	1	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....	2	....
5. Drowning	117	....	2	1	....	....	2	5	....	6	2	4	2	1	1	3	....	1	....	2	....	....	....	....	....	....
6. Suffocation	25	....	2	....	....	....	1	1	....	2	1	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
7. Otherwise	89	....	2	....	2	....	2	....	....	3	1	2	2	1	....	....	1	....	....	....	1	....	1	1	....	1
V.—ORDER 2. In Battle	.....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	11	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	3	....	....	....
1. Murder	9	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	1	....	....	3	....	....	....
V.—ORDER 4. Suicide	63	....	1	....	....	....	1	....	....	3	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Wounds	10	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

2. Poison	11	-	...		-	-	...		...	1		2	1		...	...	...	...	...	...	...		...	-	...
3. Drowning	3	-	...		-	-	...		...	...		...	...		...	...	...	...	...	...	...		...	-	...
4. Hanging	11	-	...		-	-	1		...	1		...	...		...	...	...	...	...	...	...		...		...
5. Otherwise and not Specified	28	-	...		-	-	...		-	1		...	...		...	...	...	...	...				...	-	...
V.—ORDER 5. Execution	...	-	...		-	-	...		-	...		...	...		...	...	...	...	...				...	-	...
1. Hanging	...	-	...		-	-	...		-	...		...	...		...	...	...	...	...				...	-	...
V.—ORDER 6. Violent Deaths not Included above	202	3	9		-	1	4		1	3	4	4	1		...	1	...	1	...				6	...	-	...
UNCLASSIFIED	52	-	...		-	-	...		-	...		2	1		...	...	...	...	...		3		1	...	1	...
1. Corn on Foot	1	-	...		-	-	...		-	...		...	...		...	...	...	...	...				...	...	-	...
2. Head Disease	3	-	...		-	-	...		-	...		...	1		...	...	...	...	...			...	...	...	-	...
3. Head, Rupture in	1	-	...		-	-	...		-	...		...	...		...	...	...	...	...			...	...	...	-	...
4. Hemorrhage, Umbilical	2	-	...		-	-	...		-	...		...	...		...	...	...	...	...			...	...	...	-	...
5. Hemorrhage	12	-	...		-	-	...		-	...		...	...		...	...	...	...	...			...	...	...	1	...
6. Inflammation	33		...		-	-	...		-	...		2	...		...	...	...	...	...			...	1	...	-	...
Causes not Specified	1,306	3	25	11	2	8	11	33	1	23	14	17	17	11	22	17	1	11	...	6	13	33	19	...	3	6

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES,—1878.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanau.	Lenawee.	Livingston.	Macomb.	Manistee.	Manistee.	Marquette.	Mason.	Mecosta.	Menominee.
All Causes	288	263	101	193	230	52	75	....	317	281	18	500	52	22	180	49	330	156	15	370	84	6	227	61	73	9
Specified Causes	265	184	83	178	198	47	64	....	329	257	18	516	52	21	166	36	301	136	12	274	80	5	193	50	64	9
Causes not Specified	23	79	18	15	32	5	11	....	18	24		44	....	1	14	13	29	20	3	5	4	1	34	9	9	
CLASSES.																										
I.—Zymotic Diseases	75	71	14	59	43	21	19	....	116	57	6	138	6	1	49	5	60	18	1	71	23	1	77	14	17	9
II.—Constitutional Diseases	71	18	20	33	42	8	7	....	51	61	..	103	3	4	27	12	67	30	7	57	11	1	91	18	6	
III.—Local Diseases	73	44	27	59	72	11	16	....	107	89	11	103	16	8	55	7	113	58	.	87	20		87	13	22	9
IV.—Developmental Diseases	40	31	13	17	25	2	13	....	43	37	..	81	26	3	21	7	40	13	3	47	17	2	24	9	19	8
V.—Violent Deaths	6	19	6	10	16	5	8	....	12	12	1	30	1	5	12	5	11	7	1	12	9	1	84	5	7	9
Unclassified	....	1	3	....	....	....	1	....	....	1	..	1	...	....	2	..	1	1	..		...					
ORDERS.																										
I.—1. Miasmatic Diseases	75	70	13	59	42	20	18	....	114	56	6	138	6	1	49	5	60	18	1	68	23	1	77	14	17	9
2. Enthetic Diseases	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	..	....	..	....	1	.	.	.	.	..	..
3. Dietic Diseases	....	....	1	....	....	....	1	....	1	1	....	....	...	..	..	...	..	..	...	.	....	..		.	..	.
4. Parasitic Diseases	....	1	....	....	1	1	....	....	1	....	....	....	..	....	....	....	....	..	..	2	...	...	.	..	..	..
II.—1. Diathetic Diseases	16	5	3	14	7	1	3	....	13	14	....	20	1	2	7	4	18	12	1	16	..	..	5	8	9	..
2. Tubercular Diseases	55	13	17	19	35	7	4	....	38	47	..	83	2	2	20	8	49	27	6	41	11	1	16	18	4	....

III.—1. Diseases of Nervous System	26	18	8	24	27	7	4	....	47	34	3	57	3	4	20	2	53	24	....	37	7	.	16	6	5	2
2. Diseases of Organs of Circulation	12	3	4	4	8	1	1	....	16	13	1	29	1	.	8	2	12	4	....	14	1	.	..	3	2	....
3. Diseases of Respiratory Organs	18	16	5	15	15	3	7	....	20	23	2	26	10	2	14	1	21	17	...	18	7	.	9	3	8	....
4. Diseases of Digestive Organs	11	6	8	9	16	...	2	....	13	14	4	31	2	2	9	1	15	12	....	10	3	.	9	....	5	....
5. Diseases of Urinary Organs	5	..	1	5	4	...	1	....	7	2	1	14	....	.	4	....	5	..	...	5	1	.	2	1	1	....
6. Diseases of Generative Organs	..	..	1	..	1	...	....	....	1	2	.	3	....	.	..	....	....	..	....	..	..	.	..	....	....	....
7. Diseases of Organs of Locomotion	..	..	..	..	....	...	....	....	....	..	.	1	....	.	..	....	1	..	....	..	..	.	..	....	....	....
8. Dis. of Integumentary System	1	1	..	2	1	...	1	....	3	1	.	2	....	.	..	1	6	1	....	3	1	.	1	....	1	....
IV.—1. Developmental Dis. of Children	17	24	6	7	15	2	11	....	23	14	.	42	24	3	6	2	19	3	....	14	11	.	21	5	5	3
2. Developmental Dis. of Women	3	4	2	1	1	...	1	....	1	3	.	6	....	.	2	2	3	2	2	6	3	.	1	1	3	....
3. Developmental Dis. of Old People	18	1	4	8	5	...	1	....	16	19	.	23	2	.	8	1	26	7	1	19	1	2	1	1	4	....
4. Diseases of Nutrition	2	2	1	1	4	...	....	....	3	1	.	10	....	.	5	2	1	1	....	8	2	.	1	2	....	....
V.—1. Accident or Negligence	3	10	4	2	8	4	4	....	7	9	1	16	....	3	10	4	7	4	1	8	7	1	7	3	7	....
2. Battle	..	..	..	..	....	...	....	....	....	..		...	....	.	..	....	....	..	....	..	..	.	..	....	....	....
3. Homicide	..	..	..	..	....	..	....	....	....	..	.	...	....	.	..	....	....	..	....	..	..	.	..	....	....	....
4. Suicide	1	1	1	4	1	...	....	....	...	2	.	9	....	.	..	1	3	1	....	3	..	.	..	....	....	....
5. Execution	..	..	..	..	....	...	....	....	....	..	.	...	....	.	..	....	....	..	....	..	..	.	..	....	....	....
6. Violent Deaths	2	8	1	4	7	1	4	....	5	1	.	5	1	2	2	....	1	2	....	1	2	.	27	2	....	2
CLASS I.—ZYMOTIC	75	71	14	59	43	21	19	....	116	57	6	138	6	1	49	5	60	18	1	71	23	1	77	14	17	2
I.—ORDER I. Miasmatic	75	70	13	59	42	20	18	....	114	56	6	138	6	1	49	5	60	18	1	68	23	1	77	14	17	2
1. Small-pox	..	..	..	1	....	...	....	....	....	.		...	....	.	..	....	....	..	....	..	..	.	4	....	....	....
2. Measles	2	..	..		....	.	....	....	....	..		...	....	.	..	....	....	..	....	..	..	.	2	....	....	....
3. Scarlatina	20	26	..	13	2	4	1	....	4	4		4	....	1	2	....	8	1	....	1	..	.	18	4	2	....
4. Diphtheria	19	1	10	9	14	2	1	....	84	17		64	..	.	7	....	12	5	1	17	1	.	10	....	2	....
5. Quinsy	..	1	..		1	.	....	....	....	1		..	..	.	..	....	1	..	....	..	..	.	..	....	....	....
6. Croup	2	6	..	3	....	.	....	....	....	1		15	1	.	6	....	2	3	....	2	1	1	21	1	1	....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
7. Whooping-cough	----	1	1	1	3		1	----	6	6	----	3	----	----	----	----	----	1	----	----	4	----	1	1	2	----
8. Typhoid Fever	12	13	----	7	7		4	----	6	3	1	11	2	----	7	3	17	2	----	7	1	----	4	1	3	1
8. Typhus Fever	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----
8. Typho-malarial Fever	1	----	----	2	----		1	----	1	----	----	2	----	----	----	----	2	----	----	----	----	----	----	----	----	----
9. Erysipelas	2	4	----	3	----		----	----	1	3	1	2	2	----	3	1	2	1	----	10	----	----	1	----	1	----
10. Puerperal Fever	----	----	----	----	----		----	----	1	1	----	1	----	----	1	----	1	----	----	1	----	----	----	1	----	----
11. Carbuncle	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Influenza	1	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Dysentery	2	4	----	6	4		2	----	1	2	3	10	----	----	6	----	----	2	----	4	7	----	----	----	3	----
14. Diarrhea	4	4	1	----	1		1	----	5	3	----	6	----	----	----	1	1	----	----	11	5	----	3	1	----	----
15. Cholera Infantum	----	8	1	8	5		3	----	3	7	----	10	----	----	5	----	6	----	----	10	2	----	7	----	2	----
16. Cholera Morbus	----	----	----	----	----		----	----	----	----	----	1	----	----	----	----	----	----	----	1	----	----	3	----	----	----
16. Cholera	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	1	----	----	----	1	----	----	----	----	----
17. Ague	4	----	----	3	3		1	----	1	3	----	2	----	----	5	----	4	3	----	1	1	----	----	2	1	----
18. Remittent Fever	6	----	----	1	1		2	----	----	3	----	4	1	----	6	----	1	----	----	2	----	----	1	1	----	1
19. Rheumatism	----	2	----	2	1		1	----	1	2	----	3	----	----	1	----	2	----	----	1	----	----	2	1	----	----
I.—ORDER 2. Enthetic	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
1. Syphilis	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
2. Stricture of Urethra	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Stricture	----	----	----	----	----		----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

3. Hydrophobia	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
4. Glanders	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
I.—ORDER 3. Dietic	--	--	1	----	--	----	1	1	----	----	-	----	----	--	----	----	-		--	----		----	----	----
1. Privation	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
2. Purpura	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
2. Rachitis	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
2. Scurvy	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
3. Delirium Tremens (Alcoholism)	--	--	1	----	--	----	1	----	----	----	-	----	----	--	----	----	-		--	----		----	----	----
4. Intemperance	--	--	--	----	--	----	----	1	----	----	-	----	----	--	----	----	-		--	----		----	----	----
I.—ORDER 4. Parasitic	--	1	--	----	1	1	----	1	----	----	-	----	----	--	----	----	-	2	--	----		----	----	----
1. Thrush	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-	----	--	----		----	----	----
2. Worms	--	1	--	----	1	1	----	1	----	----	-	----	----	--	----	----	-	2	--	----		----	----	----
3. Disease of Scalp	--	--	--	----	--	----	----	----	----	----	-	----	----	--	----	----	-	----	--	----		----	----	----
CLASS II.—CONSTITUTIONAL	71	18	20	33	42	8	7	51	61	----	103	3	4	27	12	67	39	7	57	11	1	21	18	6	----
II.—ORDER 1. Diathetic	16	5	3	14	7	1	3	13	14	----	20	1	2	7	4	18	12	1	16	--	----	5	3	2	----
1. Gout	--	--	--	----	--	----	----	----	----	----	----	-	----	----	--	----	----	-	----	--	----		----	----	----
2. Anæmia	--	--	--	----	--	----	----	----	----	----	----	-	----	----	--	----	----	-	----	--	----		----	----	----
2. Dropsy	8	2	3	4	5	1	3	3	6	----	7	-	----	2	4	9	3	-	5	--	----	3	1	1	----
3. Cancer	7	3	--	10	2	----	----	9	----	----	10	1	2	5	----	9	9	1	9	--	----	2	2	1	----
4. Noma (Canker)	1	--	--		--	----	----	----	----	----	2	-	----	----	----	----	----	-	1	--	----		----	----	----
5. Mortification	--	--	--		--	----	----	1	----	----	1	-	-	--	----	----	----	-	1	--	----		----	----	----
II.—ORDER 2. Tubercular	55	13	17	19	35	7	4	38	47	----	83	2	2	20	8	49	27	6	41	11	1	16	15	4	----
1. Scrofula	1	--	--	2	2	----	----	1	----	----	2	-	-	1	----	1	1	-	----	--	----		----	----	----
2. Consumption of Bowels	--	--	--		2	----	----	----	----	----	2	-	-	1	----	----	----	-	----	--	----		----	----	----
3. Phthisis (Consumption of Lungs)	54	13	17	17	31	7	4	37	46	----	78	1	2	18	8	48	26	6	41	11	1	15	15	4	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	State.	Alcona.	Allegan.	Alpena.	Antrim.	Baraga.	Barry.	Bay.	Benzie.	Berrien.	Branch.	Calhoun.	Cass.	Charlevoix.	Cheboygan.	Chippewa.	Clare.	Clinton.	Crawford.	Delta.	Eaton.	Emmet.	Genesee.	Gladwin.	Gr. Traverse.	Gratiot.
		COUNTIES.—1878.																								
9. Stricture of Intestines	4																				1					
10. Fistula	1																									
11. Stomach Diseases	74		2				1	2		1	2		1					2			2		2	1		1
12. Pancreas Disease																										
13. Hepatitis	10		1																				1			
14. Jaundice	22			1				1		1	1															
15. Liver Disease	111		4		1		2	2		2	1		3					3			2		6			3
16. Spleen Disease	4			1																						
17. Bowel Diseases, etc.	35		3							2	1							1			1					
18. Mouth Disease																										
III.—ORDER 5. Urinary Organs	185	1	7				4	3		5	6	6	5	1	1			4			4		9	1	1	2
1. Nephritis	13						1														1				1	
2. Ischuria																										
3. Bright's Disease of Kidneys	32							1		1	2							2			2		1	1		
4. Diabetes	33		2				2	1		2	2	2						1					1			
5. Calculus (Gravel, etc.)	23							1					2		1								1			1
6. Cystitis	11	1					1											1					1			
7. Kidney Diseases	73		5							2	2		3	1							1		5			1
III.—ORDER 6. Generative Organs	18						1											1			1		1			

16. Spine Disease	....	..	.		....	....	.	....	..	.	....		....	....	....	....	..	....	..	.	....	....	.	....	....
17. Spine, Inflam. of	....	..	.		....	....	.	....	..	.	....		....	....	....	1	..	....	..	.	....	....	.	....	....
18. Frightened	....	..	.		....	....	.	....	.	.	....		....	....	....	....	..	....	..	.	....	....	.	....	....
III.—ORDER 2. Organs of Circulation	12	3	4		8	1	1	16	13	1	29		....	8	2	12	4	....	14	1	....	....	3	2	....
1. Pericarditis	1	1	3		5	....	.	1	2	.	7		....	2	....	3	..	....	3	.	....	....	1	1	....
2. Aneurism	....	..	.		....	....	.	....	1	.	....		....	....	....	....	..	....	..	.	....	....	.	....	....
3. Heart Disease	11	2	1	4	3	1	1	15	10	1	22		....	6	2	9	4	....	11	1	....	....	2	1	....
4. Emboli	....	....	.		....	....		....	..	.	....	..	....	....	....	....	..	....	..	.	....	....	.	....	....
III.—ORDER 3. Respiratory Organs	18	16	5	15	15	3	7	20	23	2	26	10	2	14	1	21	17	....	18	7	....	9	3	8	....
1. Epistaxis	....	....	.		....	....	.	....	..	.	1	..	....	1	....	....	..	....	..	.	....	....	.	....	....
2. Laryngitis	....	....	.		....	1	.	....	..	.	..	1	....	....	....	1	..	....	..	.	....	....	.	....	....
3. Bronchitis	....	4	.		1	....	.	1	1	.	1	3	....	1	....	3	..	....	1	1	....	....	.	....	....
4 Pleurisy	1	....	....		....	....	.	....	1	.	..	..	1	1	....	....	1	....	1	.	....	....	.	....	....
5. Pneumonia	11	8	4	11	10	1	5	14	18	2	14	4	1	6	1	10	12	....	11	4	....	6	1	5	....
6. Asthma	....	2	....		....	....	.	1	..	.	1	..	....	....	....	1	2	....	..	1	....	....	.	1	....
7. Lung Disease	6	2	1		4	1	2	4	3	.	9	2	....	4	....	6	2	....	5	1	....	3	1	1	....
8. Catarrh	....	....	....		....	....	.	....	..	.	..	..	....	1	....	....	..	....	..	.	....	....		1	....
III.—ORDER 4. Digestive Organs	11	6	8	9	16	....	2	13	14	4	31	2	2	9	1	15	12	....	10	3	....	9		5	....
1. Gastritis	....	1	....		....	....	.	....	..	.	3	..	1	1	....	3	1	....	4	.	....	....		....	....
2. Enteritis	3	3	3	6	9	....	1	7	5	2	13	1	....	3	....	9	4	....	3	.	....	9		2	..
3. Peritonitis	....	....	1		2	....	.	....	2	.	..	..	....	....	....	....	..	....	..	.	....	....		....	.
4. Ascites	....	....	....		....	....	.	....	1	.	..	..	....	....	....	....	..	....	..	.	....	....		....	..
5. Ulceration of Intestines	....	....	....		....	....	.	....	..	.	..	..	....	....	....	....	..	....	..	.	....	....		....	....
6. Hernia	....	....	....		....	....	1	....	..	.	1	..	....	....	....	....	..	....	..	.	....	....		1	....
7. Obstruction of Bowels	....	....	....		....	....	.	....	..	.	..	..	....	....	....	....	..	....	..	.	....	....		....	....
8. Intussusception	....	....	....		....	....	.	....	..	....	..	..	....	....	....	....	..	....	..	.	....	....		....	....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
9. Stricture of Intestines									1																	
10. Fistula																										
11. Stomach Diseases	3	1	1						1	1		6						4			2					
12. Pancreas Disease																										
13. Hepatitis												1	1		2											
14. Jaundice										1		1		1	1			1							1	
15. Liver Diseases	3	1	1		3				2	1		3			2	1	2	2		3	1				1	
16. Spleen Diseases										2							1									
17. Bowel Diseases	2		2		2				2	1	2	3														
18. Mouth Disease																										
III.—ORDER 5. Urinary Organs	5		1	5	4		1		7	2	1	14			4		5			5	1		2		1	
1. Nephritis				1											1								1			
2. Ischuria																										
3. Bright's Disease of Kidneys					1				2	2		3			1		1						1			
4. Diabetes			1	2	1				2			3					2			1						
5. Calculus (Gravel, etc.)					1				1			1													1	
6. Cystitis																										
7. Kidney Disease	5			2	1		1		2		1	7			2		2			3	1					
III.—ORDER 6. Generative Organs			1		1				1	2		3														

1. Ovarian Disease	----	--	----	----	--	----	----	----	----	----	----	2	--	----	----	--	----	----	--	----	----		----	-	----	----
1. Ovarian Tumor	----	--	----	----	1	----	----	----	----	2	----	1	--	----	----	-	----	----	--	----	----		----	-	----	----
2. Diseases of Uterus	----	--	----	----	--	----	----	----	1	----	----	----	--	----	----	-	----	----	--	----	----		----	-	----	----
3. Hydrocele	----	--	1	----	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----		----	-	----	----
III.—ORDER 7. Organs of Locomotion	----	--	----	----	--	----	----	----	----	----	----	1	--	----	----	--	1	----	--	----	----		----	--	----	----
1. Arthritis	----	--	----	----	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----		----	--	----	----
2. Joint Diseases	----	--	----	----	--	----	----	----	----	----	----	1	--	----	----	--	1	----	--	----	----		----	--	----	----
III.—ORDER 8. Integumentary System	1	1	----	2	1	----	1	----	3	1	----	2	--	----	----	1	6	1	--	3	1		1	-	1	----
1. Phlegmon	----	--	----	----	1	----	1	----	3	1	----	1	--	----	----	1	1	----	--	----	----		----	-	----	----
2. Ulcer	----	--	----	1	--	----	----	----	----	----	----	----	--	----	----	-	2	----	--	----	----		----	-	----	----
3. Skin Diseases	1	1	----	1	--	----	----	----	----	----	----	1	--	----	----	-	3	1	--	3	1		1	-	1	----
CLASS IV.—DEVELOPMENTAL DISEASES	40	31	13	17	25	2	13	----	43	37	----	81	26	3	21	7	49	13	3	47	17	2	24	9	12	3
IV.—ORDER 1. Dev. Diseases of Children	17	24	6	7	15	2	11	----	23	14	----	42	24	3	6	2	19	3	--	14	11		21	5	5	3
1. Still-born	11	23	6	4	13	1	11	----	17	13	----	35	23	3	6	1	19	3	--	11	9		17	5	5	3
2. Infantile	2	--	----	1	--	----	----	----	5	1	----	2	--	----	----	-	----	----	--	2	----		----	-	----	----
2. Premature Birth	2	--	----	1	2	----	----	----	1	----	----	----	--	----	----	-	----	----	--	----	----		2	-	----	----
3. Cyanosis	----	--	----	----	--	----	----	----	----	----	----	----	1	----	----	-	----	----	--	----	----		--	-	----	----
4. Spina Bifida	----	--	----	----	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----		--	-	----	----
5. Other Malformations	2	--	----	1	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----		--	-	----	----
6. Teething	----	1	----	----	--	1	----	----	----	----	----	5	--	----	----	1	----	----	--	1	2		2	-	----	----
7. Injury at Birth	----	--	----	----	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----	-	--	-	----	----
IV.—ORDER 2. Dev. Diseases of Women	3	4	2	1	1	----	1	----	1	3	----	6	--	----	2	2	3	2	2	6	3	-	1	1	3	----
1. Dysmenorrhea	----	--	----	1	--	----	1	----	----	----	----	----	--	----	----	-	----	----	--	----	----	-	--	-	----	----
1. Turn of Life	----	--	----	----	--	----	----	----	----	----	----	----	--	----	----	-	----	----	--	----	----	-	--	-	----	----
2. Childbirth	3	4	2	----	1	----	----	----	1	2	----	6	--	----	2	2	3	1	2	6	3	-	1	1	3	----
2. Abortion	----	--	----	----	--	----	----	----	----	1	----	----	--	----	----	-	----	1	--	----	----	-	--	-	----	----
2. Uterine Hemorrhage	----	--	----	----	--	----	----	----	----	----	----	----	--	----	----	-	----	--	--	----	----	-	--		----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Hiladale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
IV.—ORDER 3. Dev. Dis. of Old People..	18	1	4	8	5	....	1		16	19	....	23	2	....		1	26	7	1	19	1	2	1	1	4	....
1. Old Age	18	1	4	8	5	....	1	....	16	19	....	23	2	....	8	1	26	7	1	9	1	2	1	1	4	....
IV.—ORDER 4. Diseases of Nutrition	2	2	1	1	4	....	....	....	3	1	....	10	....	....	5	2	1	1	....	8	2	....	1	2	....	....
1. Atrophy and Debility	2	2	1	1	4	....	....	....	3	1	....	10	....	....	5	2	1	1	....	8	2	....	1	2	....	....
CLASS V.—VIOLENT DEATHS	6	19	6	10	16	5	8	....	12	12	1	30	1	5	12	5	11	7	1	12	9	1	34	5	7	2
V.—ORDER 1. Accident or Negligence	3	10	4	2	8	4	4	....	7	9	1	16	....	3	10	4	7	4	1	8	7	1	7	3	7	....
1. Fractures and Contusions	1	4	....	1	1	1	....	....	2	1	....	3	....	....	..	....	5	....	....	2	....	....	....	....	2	....
2. Wounds	....	1	....	..	....	1	....	....	.	1	....	1	....	....	..	....	.	....	....	1	....	....	....	....	....	....
3. Burns and Scalds	....	....	1	..	2	....	1		2	3	1	4	....	2	4	....	.	2	....	.	2	....	....	1	....	....
4. Poison	2	1	....	..	2	....	2		1	2	....	3	....	....	4	....	1	....	....	.	....	....	....	....	....	....
5. Drowning	....	4	1	..	2	1	1		1	1	....	2	....	....	1	2	.	....	....	2	5	1	1	....	2	....
6. Suffocation	....	....	....	1	....	....	....		.	1	....	..	....	....	..	1	1	2	....	.	....	....	2	....	2	....
7. Otherwise	....	....	2	..	1	1	....		1	..	....	3	....	1	1	1	.	....	1	3	....	..	4	2	1	....
V.—ORDER 2. In Battle	....	....	....	..	....	....	....		.	..	....	..	....	....	..	....	.	....	....	.	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	....	....	..	....	....	....		.	..	....	..	....	....	..	....	.	....	....	.	....	....	....	....	....	....
1. Murder	....	....	....	..	....	....	....		..	..	....	..	....	....	..	....	.	....	....	.	....	....	....	....	....	....
V.—ORDER 4. Suicide	1	1	1	4	1	....	....		.	2	....	9	....	....	..	1	3	1	....	3	....	....	....	....	....	....
1. Wounds	....	....	....	1	....	....	....		.	..	....	2	....	....	..	....	1	....	....	.	....	....	....	....	....	....

2. Poison	----	----	----	--		-	----	----	1	----	2	----	----	-		--	--	----	1	----	----		----	----	----
3. Drowning	----	----	----	1		-	----	----	----	----	1	----	----	-		1	--	----	----	----	----		----	----	----
4. Hanging	----	----	----	--		-	----	----	----	----	1	----	----	-		1	--	----	1	----	----		----	----	----
5. Otherwise and not Specified	1	1	1	2		-	----	----	1	----	3	----	----	-		--	1	----	1	----	----		----	----	----
V.—ORDER 5. Execution	----	----	----	--		-	----	----	----	----	--	----	----	-		--	--	----	----	----	----		----	----	----
1. Hanging	----	----	----	--		-	----	----	----	----	--	----	----	-		--	--	----	----	----	----		----	----	----
V.—ORDER 6. Violent Deaths not Included above	2	8	1	4		1	4	5	1	----	5	1	2	2		1	2	----	1	2	----	27	2	----	2
UNCLASSIFIED	----	1	3	--		-	1	----	1	----	1	----	----	2		1	1	----	----	----	----		----	----	----
1. Corn on Foot	----	----	----	--		-	----	----	----	----	--	----	----	-		--	--	----	----	----	----		----	----	----
2. Head Disease	----	----	----	--		-	----	----	----	----	1	----	----	-		--	--	----	----	----	----		----	----	----
3. Head, Rupture in		----	----	--		-	----	----	----	----	--	----	----	-		--	--	----	----	----	----		----	----	----
4. Hemorrhage, Umbilical		----	----	--		-	----	----	----	----	--	----	----	-		--	--	----	----	----	----		----	----	----
5. Hemorrhage		----	----	--		-	1	----	1	----	--	----	----	-		--	1	----	----	----	--		----	----	----
6. Inflammation		1	3	--		-	----		--	----	--	----	----	2		1	--	----	----	----	----		----	----	----
Causes not Specified	23	79	18	15	32	5	11	18	24	----	44	----	1	14	13	29	20	3	5	4	1	31	2	9	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
4. Hydrocephalus	....	....	....	....	....	....	....	....	....	..	.	1	..	....	....	....	....	..	....	....	....	....	1	....	....	....
5. Marasmus	....	....	....	....	....	....	....	....	....	..	.	....	1	....	....	....	....	..	....	....	....	....	....	....	....	....
CLASS III.—LOCAL DISEASES	73	44	27	59	72	11	16	....	107	89	11	163	16	8	55	7	113	58	....	87	20	....	37	13	22	2
III.—ORDER 1. Nervous System	26	18	8	24	27	7	4	....	47	34	3	57	3	4	20	2	53	24	....	37	7	....	16	6	5	2
1. Cephalitis	2	9	....	6	6	....	....	....	8	4	1	18	1	1	3	1	6	2	....	5	1	....	3	....	....	....
2. Apoplexy	1	....	....	1	2	1	1	....	6	6	.	2	1	....	4	....	5	1	....	4	....	....	....	....	2	....
3. Paralysis	8	1	....	4	3	2	....	....	18	9	.	9	..	1	3	....	13	6	....	10	1	....	1	3	....	....
4. Insanity	....	....	....	....	....	....	1	....	....	3	.	1	..	....	....	....	1	.	....	....	....	....	1	....	....	....
5. Chorea	1	....	....	....	....	....	....	....	....	..	.	1	..	....	....	....	....	..	....	....	....	....	....	....	....	....
6. Epilepsy	....	....	....	....	1	....	....	....	....	2	.	2	..	....	....	....	....	1	....	1	2	....	....	2	....	....
7. Tetanus	....	....	....	....	....	....	....	....	....	..	.	1	1	....	....	....	....	..	....	....	....	....	....	....	....	....
8. Convulsions	5	4	5	2	5	3	....	....	3	2	.	6	..	....	2	....	10	3	....	8	3	....	5	....	2	2
9. Brain Disease	6	2	2	6	5	1	....	....	10	7	.	6	..	....	5	....	11	9	....	7	....	....	5	1	....	....
9. Dropsy of Brain	....	2	1	2	1	....	....	....	....	..	.	4	..	....	1	....	1	..	....	1	....	....	....	....	1	....
10. Spinal Fever	2	....	....	2	4	....	1	....	1	..	.	4	..	1	1	1	2	..	....	....	....	....	....	....	....	....
11. Spotted Fever	....	....	....	....	....	....	....	....	....		.	....	..	....	....	....	....	..	....	....	....	....	....	....	....	....
12. Meningitis	....	....	....	....	....	....	....	....	1		.	2	..	....	....	....	....	..	....	1	....	....	1	....	....	....
13. Meningitis, Cerebro-spinal	....	....	....	....	....	....	....	....	....		.	....	..	1	....	....	....	..	....	....	....	....	....	....	....	....
14. Meningitis, Spinal	1	....	....	1	....	....	1	....	....		2	1	..	....	1	....	3	2	....	....	....	....	....	....	....	....
15. Neuralgia	....	....	....	....	....	....	....	....	....		.	....	..	....	....	....	....	..	....	....	....	....	....	....	....	....

16. Spine Disease	----	----	----	--	--	-	----	-	--	----	---	----	----		----	----	--	----	----	----	----	----	----	----	----
17. Spine, Inflam. of	----	----	----	--	--	-	----	-	--	----	---	----	----		----	1	--	----	----	----	----	----	----	----	----
18. Frightened	----	----	----	--	--	-	----	-	--	----	---	----	----		----	----	--	----	----	----	----	----	----	----	----
III.—ORDER 2. Organs of Circulation	12	3	4	4	8	1	1	16	13	1	29	1	----	8	2	12	4	----	14	1	----	----	3	2	----
1. Pericarditis	1	1	3	--	5	-	----	1	2	----	7	----	----	2	----	3	--	----	3	----	----	----	1	1	----
2. Aneurism	----	----	----	--	--	-	----	-	1	----	---	----	----		----	----	--	----	----	----	----	----	----	----	----
3. Heart Disease	11	2	1	4	3	1	1	15	10	1	22	1	----	6	2	9	4	----	11	1	----	----	2	1	----
4. Emboli	----	----	----	--	--	-	----	-	--	----	---	----	----		----	----	--	----	----	----	----	----	----	----	----
III.—ORDER 3. Respiratory Organs	18	16	5	15	15	3	7	20	23	2	26	10	2	14	1	21	17	----	18	7	----	9	3	8	----
1. Epistaxis	----	----	----	--	--	-	----	-	--	----	1	----	----	1	----	----	--	----	----	----	----	----	----	----	----
2. Laryngitis	----	----	----	1	--	1	----	-	--	----	---	1	----	----	----	1	--	----	----	----	----	----	----		----
3. Bronchitis	----	4	----	--	1	-	----	1	1	----	1	3	----	1	----	3	--	----	1	1	----	----	----		----
4 Pleurisy	1	----	----	1	--	-	----	-	1	----	---	----	1	1	----	----	1	----	1	----	----	----	----	----	----
5. Pneumonia	11	8	4	11	10	1	5	14	18	2	14	4	1	6	1	10	12	----	11	4	----	6	1	5	----
6. Asthma	----	2	----	--	--	-	----	1	--	----	1	----	----	----	----	1	2	----	----	1	----	----	----	1	----
7. Lung Disease	6	2	1	1	4	1	2	4	3	----	9	2	----	4	----	6	2	----	5	1	----	3	1	1	----
8. Catarrh	----	----	----	1	--	-	----	-	--	----	---	----	----	1	----	----	--	----	----	--	----	----	1	1	----
III.—ORDER 4. Digestive Organs	11	6	8	9	16	-	2	13	14	4	31	2	2	9	1	15	12	----	10	3	----	9	----	5	----
1. Gastritis	----	1	----	--	--	-	----	-	--	----	3	----	1	1	----	3	1	----	4	----	----	----	----	----	----
2. Enteritis	3	3	3	6	9	-	1	7	5	2	13	1	----	3	----	9	4	----	3	----	----	9	----	2	----
3. Peritonitis	----	----	1	1	2	-	----	-	2	----	---	----	----	----	----	----	--	----	----	----	----	----	----	----	-
4. Ascites	----	----	----	--	--	-	----	-	1	----	---	----	----	----	----	----	--	----	----	----	----	----	----	----	----
5. Ulceration of Intestines	----	----	----	----	----	-	----	-	--	----	---	----	----	----	----	----	--	----	----	----	----	----	----	----	----
6. Hernia	----	----	----	1	----	-	1	-	--	----	1	----	----	----	----	----	--	----	----	----	----	----	----	1	----
7. Obstruction of Bowels	----	----	----	----	----	-	----	-	--	----	---	----	----	----	----	----	--	----	----	----	----	----	----	----	----
8. Intussusception	----	----	----	----	----	-	----	-	--	----	---	----	----	----	----	----	--	----	----	----	----	----	----	----	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
9. Stricture of Intestines									1																	
10. Fistula																										
11. Stomach Diseases	3		1						1	1		6						4			2					
12. Pancreas Disease																										
13. Hepatitis												1	1		2											
14. Jaundice										1		1		1	1			1							1	
15. Liver Diseases	3		1	1	3				2	1		3			2	1	2	2		3	1				1	
16. Spleen Diseases										2							1									
17. Bowel Diseases	2		2		2				2	1	2	3														
18. Mouth Disease																										
III.—ORDER 5. Urinary Organs	5		1	5	4		1		7	2		14			4		5			5	1			1	1	
1. Nephritis				1											1											
2. Ischuria																										
3. Bright's Disease of Kidneys					1				2	2		3			1		1									
4. Diabetes			1	2	1				2			3					2			1						
5. Calculus (Gravel, etc.)					1				1			1												1	1	
6. Cystitis																				1						
7. Kidney Disease	5			2	1		1		2			7			2		2			3	1					
III.—ORDER 6. Generative Organs			1		1				1	2		3														

1. Ovarian Disease	----	----	----	----	--	----	--	----	----	--	----	2	--	----	----	-	----	----	--	----	----	-	--	----		----
1. Ovarian Tumor	----	----	----	----	1	----	--	----	----	2	----	1	--	----	----	-	----	----	--	----	----	-	--	----		----
2. Diseases of Uterus	----	----	----	----	--	----	--	----	1	--	----	--	--	----	----	-	----	----	--	----	----	-	--	----		----
3. Hydrocele	----	----	1	----	--	----	--	----	--	--	----	--	--	----	----	-	----	----	--	----	----	-	--	----		----
III.—ORDER 7. Organs of Locomotion	----	----	----	----	--	----	--	----	----	--	----	1	--	----	----	--	1	----	--	----	----	-	--	----		----
1. Arthritis	----	----	----	----	--	----	--	----	----	--	----	--	--	----	----	-	----	----	--	----	----	-	--	----		----
2. Joint Diseases	----	----	----	----	--	----	--	----	----	--	----	1	--	----	----	--	1	----	--	----	----	-	--	----		----
III.—ORDER 8. Integumentary System	1	1	----	2	1	----	1	----	3	1	----	2	--	----	----	1	6	1	--	3	1	-	1	----		----
1. Phlegmon	----	----	----	----	1	----	1	----	3	1	----	1	--	----	----	1	1	----	--	----	----	-	--	----		----
2. Ulcer	----	----	----	1	--	----	--	----	----	--	----	--	--	----	----	-	2	----	--	----	----	-	--	----		----
3. Skin Diseases	1	1	----	1	--	----	--	----	----	--	----	1	--	----	----	-	3	1	--	3	1	-	1	----		----
CLASS IV.—DEVELOPMENTAL DISEASES	40	31	13	17	25	2	13	----	43	37	----	81	26	3	21	7	49	13	3	47	17	2	24	9	12	3
IV.—ORDER 1. Dev. Diseases of Children	17	24	6	7	15	2	11	----	23	14	----	42	24	3	6	2	19	3	--	14	11	-	21	5	5	3
1. Still-born	11	23	6	4	13	1	11	----	17	13	----	35	23	3	6	1	19	3	--	11	9	-	17	5	5	3
2. Infantile	2	----	----	1	--	----	--	----	5	1	----	2	--	----	----	-	----	-	--	2	----	-	--	----		----
2. Premature Birth	2	----	----	1	2	----	--	----	1	--	----	--	--	----	----	-	----	-	--	----	----	-	2	----		----
3. Cyanosis	----	----	----	----	--	----	--	----	----	--	----	--	1	----	----	-	----	-	--	----	----	-	--	----		----
4. Spina Bifida	----	----	----	----	--	----	--	----	----	--	----	--	--	----	----	-	----	-	--	----	----	-	--	----	----	----
5. Other Malformations	2	----	----	1	--	----	--	----	----	--	----	--	--	----	----	-	----	-	--	----	----	-	--	----	----	----
6. Teething	----	1	----	----	--	1	--	----	----	--	----	5	--	----	----	1	----	-	--	1	2	-	2	----	----	----
7. Injury at Birth	----	----	----	----		----	--	----	----	--	----	--	--	----	----	-	----	-	--	----	----	-	--	----	----	----
IV.—ORDER 2. Dev. Diseases of Women	3	4	2	1		----	1	----	1	3	----	6	--	----	2	2	3	2	2	6	3	-	1	1	3	----
1. Dysmenorrhea	----	----	----	1		----	1	----	----	--	----	--	--	----	----	-	----	-	--	----	----	-	--	----	----	----
1. Turn of Life	----	----	----	----		----	--	----	----	--	----	--	--	----	----	-	----	-	--	----	----	-	--	----	----	----
2. Childbirth	3	4	2	----		----	--	----	1	2	----	6	--	----	2	2	3	1	2	6	3	-	1	1	3	----
2. Abortion	----	----	----	----		----	--	----	----	1	----	--	--	----	----	-	----	1	--	----	----	-	--	----	----	----
2. Uterine Hemorrhage	----	----	----	----		----	--	----	----	----	----	----	----	----	----	-	----	----	--	----	----	-	--	----	----	----

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CAUSES OF DEATH,—1878.	COUNTIES.—1878.																								
	Hillsdale.	Houghton.	Huron.	Ingham.	Ionia.	Iosco.	Isabella.	Isle Royal.	Jackson.	Kalamazoo.	Kalkaska.	Kent.	Keweenaw.	Lake.	Lapeer.	Leelanaw.	Lenawee.	Livingston.	Mackinac.	Macomb.	Manistee.	Manitou.	Marquette.	Mason.	Mecosta.	Menominee.
IV.—ORDER 3. Dev. Dis. of Old People	18	1	4	8	5	....	1	....	16	19	....	23	2	....		1	26	7	1	19	1	2	1	1	4	....
1. Old Age	18	1	4	8	5	....	1	....	16	19	....	23	2	....	8	1	26	7	1	19	1	2	1	1	4	....
IV.—ORDER 4. Diseases of Nutrition	2	2	1	1	4	....	....	....	3	1	....	10	....	....	5	2	1	1	....	8	2	....	1	2	....	....
1. Atrophy and Debility	2	2	1	1	4	....	....	....	3	1	....	10	....	....	5	2	1	1	....	8	2	....	1	2	....	....
CLASS V.—VIOLENT DEATHS	6	19	6	10	16	5	8	....	12	12	1	30	1	5	12	5	11	7	1	12	9	1	34	5	7	2
V.—ORDER 1. Accident or Negligence	3	10	4	2	8	4	4	....	7	9	1	16	....	3	10	4	7	4	1	8	7	1	7	3	7	....
1. Fractures and Contusions	1	4	....	1	1	1	....	....	2	1	....	3	....	....	....	....	5	....	....	2	....	....	....	....	2	....
2. Wounds	....	1	....	....	....	1	....	....	....	1	....	1	....	....	....	....	....	....	....	1	....	....	....	....	....	....
3. Burns and Scalds	....	....	1	....	2	....	1	....	2	3	1	4	....	2	4	....	....	2	....	....	2	....	....	1	....	....
4. Poison	2	1	....	....	2	....	2	....	1	2	....	3	....	....	4	....	1	....	....	....	....	....	....	....	....	....
5. Drowning	....	4	1	....	2	1	1	....	1	1	....	2	....	....	1	2	....	....	....	2	5	1	1	....	2	....
6. Suffocation	....	....	....	1	....	....	....	....	....	1	....	....	....	....	....	1	1	2	....	....	....	....	2	....	2	....
7. Otherwise	....	....	2	....	1	1	....	....	1	....	....	3	....	1	1	1	....	....	1	3	....	....	4	2	1	....
V.—ORDER 2. In Battle	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 3. Homicide	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1. Murder	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
V.—ORDER 4. Suicide	1	1	1	4	1	....	....	....	....	2	....	9	....	....	....	1	3	1	....	3	....	....	....	....	....	....
1. Wounds	....	....	....	1	....	....	....	....	....	....	....	2	....	....	....	....	1	....	....	....	....	....	....	....	....	....

2. Poison	----	----	----	----	--	-	----	----	----	1	----	2	----	----	----			----	----	1	----	----		----		----
3. Drowning	----	----	----	1	--	-	----	----	----	----	----	1	----	----	----			----	----	----	----	----		----		----
4. Hanging	----	----	----	----	--	-	----	----	----	----	----	1	----	----	----			----	----	1	----	----		----		----
5. Otherwise and not Specified	1	1	1	2	1	-	----	----	----	1	----	3	----	----	----			1	----	1	----	----		----		----
V.—ORDER 5. Execution	----	----	----	----	--	-	----	----	----	----	----	----	----	----	----			----	----	----	----	----		----		----
1. Hanging	----	----	----	----	--	-	----	----	----	----	----	----	----	----	----	--	----	----	----	----	----	----		----		----
V.—ORDER 6. Violent Deaths not Included above	2	8	1	4	7	1	4	----	5	1	----	5	1	2	2	--	1	2	----	1	2	----	27	2		2
UNCLASSIFIED	----	1	3	----	--	-	1	----	----	1	----	1	----	----	2	--	1	1	----	----	----	----		----		----
1. Corn on Foot	----	----	----	----	--	-	----	----	----	----	----	----	----	----	----	--	----	----	----	----	----	----		----		----
2. Head Disease	----	----	----	----	--	-	----	----	----	----	----	1	----	----	----	--	----	----	----	----	----	----		----	----	----
3. Head, Rupture in	----	----	----	----	--	-	----	----	----	----	----	----	----	----	----	--	----	----	----	----	----	----		----	----	----
4. Hemorrhage, Umbilical	----	----	----	----	--	-	----	----	----	----	----	----	----	----	----	--	--	--	----	----	----	----		----	----	----
5. Hemorrhage	----	----	----	----	--	-	1	----	----	1	----	----	----	----	----	--	--	1	----	----	----	----		----	----	----
6. Inflammation	----	1	3	----	--	-	----	----	----	----	----	----	----	----	2	--	1	--	----	----	----	----		----	----	----
Causes not Specified	23	79	18	15	32	5	11	----	18	24	----	44	----	1	14	13	29	20	3	5	4	1	31	2	9	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																								
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
All Causes	52	21	310	198	171	78	331	76	6	33	89	2	249	26	6	524	135	4	137	319	204	150	248	330	1949	86
Specified Causes	49	19	269	180	130	67	308	66	6	30	66	2	226	15	5	474	109	4	126	288	195	137	230	314	1745	79
Causes not Specified	3	2	41	18	41	11	23	10	----	3	23	----	23	11	1	50	26	----	11	31	9	13	18	16	204	7
CLASSES.																										
I.—Zymotic Diseases	17	8	70	48	24	17	83	7	1	5	14	2	44	4	1	135	32	----	24	69	49	30	47	77	505	25
II.—Constitutional Diseases	10	2	39	44	28	20	53	21	1	4	7	----	48	4	----	99	24	----	28	50	38	30	58	61	386	10
III.—Local Diseases	10	7	84	41	39	15	121	24	1	11	18	----	56	3	2	126	32	3	55	88	70	40	87	99	468	16
IV.—Developmental Diseases	9	1	57	34	21	9	44	9	1	6	17	----	57	2	1	74	14	1	16	56	29	28	25	59	303	20
V.—Violent Deaths	3	1	19	13	17	5	6	5	1	----	10	----	21	2	1	40	5	----	2	23	7	5	10	17	74	8
Unclassified	----	----	----	----	1	1	1	----	1	4	----	----	----	----	----	----	2	----	1	2	2	4	3	1	9	----
ORDERS.																										
I.—1. Miasmatic Diseases	17	8	68	48	23	17	83	7	1	5	14	2	43	4	1	134	32	----	24	69	48	30	46	76	498	25
2. Enthetic Diseases	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
3. Dietic Diseases	----	----	1	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	1	1	5	----
4. Parasitic Diseases	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	1	----	----	----	----	----	----	----	----	1	----
II.—1. Diathetic Diseases	3	----	12	10	5	8	10	1	1	1	----	----	19	1	----	16	4	----	7	16	10	5	19	13	89	2
2. Tubercular Diseases	7	2	27	34	23	12	43	20	----	3	7	----	29	3	----	83	20	----	21	34	28	25	39	48	297	

III.—1. Diseases of Nervous System	3	2	30	16	12	7	47	8	----	1	5	----	18		----	51	19	2	19	28	21	17	27	34	213	8
2. Diseases of Organs of Circulation	1	4	13	4	3	1	18	4	1	1	2	----	1		----	12	1	1	6	11	12	7	16	21	60	2
3. Diseases of Respiratory Organs	3	----	24	8	9	7	30	7	----	8	3	----	16		1	30	5	----	15	19	17	6	24	20	108	2
4. Diseases of Digestive Organs	3	1	15	9	6	----	18	4	----	----	7	----	18		1	23	6	----	8	23	14	9	7	11	59	3
5. Diseases of Urinary Organs	----	----	2	1	3	----	5	1	----	----	-	----	3		----	5	1	----	4	2	5	1	7	9	17	----
6. Diseases of Generative Organs	----	----	----	--	----	----	1	----	----	----	-	----	----		----	1	--	----	----	1	----	----	1	1	----	1
7. Diseases of Organs of Locomotion	----	----	----	1	1	----	--	----	----	----	-	----	----		--	----	--	----	1	--	----	----	1	--	6	----
8. Dis. of Integumentary System	----	----	----	2	5	----	2	----	----	1	1	----	----		----	4	--	----	2	4	1	----	4	3	5	----
IV.—1. Developmental Dis. of Children	6	1	30	18	18	5	9	2	----	5	12	----	37	2	----	36	5	----	7	25	12	18	11	19	159	16
2. Developmental Dis. of Women	2	----	8	5	2	1	3	3	1	1	2	----	3		----	3	3	----	2	9	3	5	3	2	31	2
3. Developmental Dis. of Old People	1	----	15	9	1	3	22	3	----	----	2	----	16		----	23	6	1	4	16	9	5	10	37	101	1
4. Diseases of Nutrition	----	----	4	2	----	----	10	1	----	----	1	----	1		1	12	--	----	3	6	5	----	1	1	12	1
V.—1. Accident or Negligence	1	1	13	10	12	3	2	3	1	----	6	----	13	2	1	26	3	----	----	15	5	5	6	11	41	6
2. Battle	----	----	----	--	----	----	--	----	----	----	-	----	----		----	----	--	----	----	--	----	----	--	--	----	----
3. Homicide	----	----	1	--	----	----	--	----	----	----	1	----	----		----	----	--	----	----	1	----	----	--	--	2	----
4. Suicide	----	----	1	--	3	----	1	----	----	----	2	----	2		----	2	1	----	----	1	----	----	--	1	13	----
5. Execution	----	----	----	--	----	----	--	----	----	----	-	----	----		----	----	--	----	----	--	----	----	--	--	----	----
6. Violent Deaths	2	----	4	3	2	2	3	2	----	----	1	----	6		----	12	1	----	2	6	2	----	4	5	18	2
CLASS I.—ZYMOTIC	17	8	70	48	24	17	83	7	1	5	14	2	44	4	1	135	32	----	24	69	49	30	47	77	505	25
I.—ORDER 1. Miasmatic	17	8	68	48	23	17	83	7	1	5	14	2	43	4	1	134	32	----	24	69	48	30	46	76	498	25
1. Small-pox	----	----	----	--	----	----	--	----	----	----	----	----	----		----	----	--	----	----	--	----	----	-	--	2	----
2. Measles	----	----	----	--	3	----	--	----	----	----	----	----	----		----	----	--	----	1	1	----	----	--	--	5	----
3. Scarlatina	2	2	2	1	3	2	3	----	----	2	----	----	2		----	17	1	----	2	15	5	3	3	39	138	----
4. Diphtheria	8	1	17	6	----	5	20	1	----	----	----	2	3		----	52	12	----	11	22	13	5	7	4	67	20
5. Quinsy	----	----	----	--	----	----	1	----	----	----	----	----	----		----	----	--	----	----	--	1	1	--	--	2	----
6. Croup	----	----	5	4	----	----	2	1	1	----	1	----	12		----	9	4	----	1	4	4	3	6	--	45	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
7. Whooping-cough	----	----	12	2	1	----	----	----	----	----	----	----	4	3	----	----	4	----	1	3	1	----	----	1	40	----
8. Typhoid Fever	1	1	7	9	3	4	12	----	----	----	3	----	5	----	----	9	1	----	5	4	8	5	8	10	31	----
8. Typhus Fever	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	4	----
8. Typho-malarial Fever	----	----	----	1	3	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	2	----	----
9. Erysipelas	----	----	1	2	----	----	3	----	----	----	----	----	3	----	----	1	1	----	----	1	2	4	3	2	7	----
10. Puerperal Fever	----	----	----	1	1	1	----	----	----	1	----	----	2	----	----	----	----	----	----	----	1	----	----	1	----	----
11. Carbuncle	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
12. Influenza	----	----	----	1	----	----	----	----	----	1	----	----	----	----	----	----	1	----	----	----	----	----	1	----	----	----
13. Dysentery	----	----	1	4	----	2	21	3	----	----	2	----	1	----	----	6	----	----	1	5	----	----	4	1	8	----
14. Diarrhea	----	4	4	4	----	----	----	----	----	----	1	----	4	----	----	5	2	----	----	3	1	3	----	2	70	1
15. Cholera Infantum	3	----	4	1	5	2	5	1	----	----	5	----	----	1	----	24	3	----	----	6	6	3	5	1	27	2
16. Cholera Morbus	1	----	1	1	----	----	1	----	----	1	----	----	----	----	----	----	----	----	----	1	----	----	----	2	7	----
16. Cholera	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	1	----
17. Ague	----	----	8	4	----	1	1	1	----	----	----	----	1	----	----	3	1	----	1	3	3	1	5	7	15	1
18. Remittent Fever	----	----	3	7	4	----	10	----	----	----	1	----	3	----	1	6	1	----	----	1	2	2	2	2	23	----
19. Rheumatism	2	----	3	----	----	----	3	----	----	----	1	----	2	----	----	2	1	----	1	----	1	----	2	2	6	1
I.—ORDER 2. Enthetic	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
1. Syphilis	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----
2. Stricture of Urethra	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
2. Stricture	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

3. Hydrophobia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4. Glanders	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
I.—ORDER 3. Dietic	....	....	1	....	1	....	....	....	....	....	....	....	....	....	....	....	....	1	....	1	....	5	....
1. Privation	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Purpura	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Rachitis	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....
2. Scurvy	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....
3. Delirium Tremens (Alcoholism)	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	3	....
4. Intemperance	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	2	....
I.—ORDER 4. Parasitic	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	1	....
1. Thrush	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1	....
2. Worms	....	....	1	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....
3. Disease of Scalp	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
CLASS II.—CONSTITUTIONAL	10	2	39	44	28	20	53	21	4	7	48	4	99	24	....	28	50	38	30	58	61	386	10
II.—ORDER 1. Diathetic	3	....	12	10	5	8	10	1	1	....	19	1	16	4	....	7	16	10	5	19	13	89	2
1. Gout	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Anæmia	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
2. Dropsy	2	....	6	7	3	5	2	....	1	....	7	1	4	3	....	2	9	5	2	5	4	50	2
3. Cancer	1	....	6	2	1	3	8	1	....	....	10	....	9	1	....	4	6	3	3	14	7	36	....
4. Noma (Canker)	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	1	1	2	....	....	....	3	....
5. Mortification	....	....	....	....	1	....	....	....	....	....	2	....	2	....	....	....	....	....	....	....	2	....	....
II.—ORDER 2. Tubercular	7	2	27	34	23	12	43	20	3	7	29	3	83	20	....	21	34	28	25	39	48	297	8
1. Scrofula	....	....	....	1	1	....	3	1	....	....	1	....	....	....	....	....	1	1	....	....	....	4	....
2. Consumption of Bowels	....	....	....	....	....	....	....	....	....	....	....	....	2	1	....	1	....	1	....	....	....	....	....
3. Phthisis (Consumption of Lungs)	7	2	27	33	22	11	39	19	3	7	28	3	81	18	....	20	33	26	25	39	46	290	8

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
4. Hydrocephalus	----	----	----	----	----	1	1	----	----	--	--	----	----	----	----	----	1	----	----	----	--	--	----	--	----	----
5. Marasmus	----	----	----	----	----	-	--	----	----	--	--	----	----	----	----	----	----	----	----	----	--	--	----	1	3	----
CLASS III.—LOCAL DISEASES	10	7	84	41	39	15	121	24	1	1	18	----	56	3	2	126	32	3	55	88	70	40	87	99	468	16
III.—ORDER 1. Nervous System	3	2	30	16	12	7	47	8	----	1	5	----	18	----	----	51	19	2	19	28	21	17	27	34	213	8
1. Cephalitis	1	----	3	5	3	4	2	2	----	--	2	----	3	----	----	7	7	----	2	2	1	2	2	6	40	1
2. Apoplexy	----	----	1	----	----	-	2	----	----	--	1	----	----	----		3	----	----	1	3	4	1	1	4	12	----
3. Paralysis	1	----	4	----	1	-	18	----	----	--	--	----	----	----		5	6	----	4	2	6	2	6	12	26	----
4. Insanity	----	----	----	----	----	-	1	----	----	--	--	----	1	----		----	----	----	----	----	1	--	----	1	4	----
5. Chorea	----	----	----	----	----	-	--	----	----	--	--	----	----	----		----	----	----	----	----	--	--	----	--	----	----
6. Epilepsy	----	----	----	2	----	1	5	----	----	--	--	----	1	----		----	----	----	----	----	3	--	----	--	2	----
7. Tetanus	----	----	----	----	1	-	--	----	----	--	--	----	----	----		----	----	----	----	1	--	--	----	--	1	----
8. Convulsions	----	1	6	5	4	-	6	1	----	1	1	----	6	----		17	2	1	1	10	1	4	1	6	96	2
9. Brain Disease	1	----	10	3	2	2	13	2	----	--	--	----	3	----		13	3	1	6	10	2	6	9	5	13	2
9. Dropsy of Brain	----	----	1	----	----	-	--	2	----	--	1	----	----	----		4	1	----	1	----	1	1	2	--	16	----
10. Spinal Fever	----	1	1	1	----	-	--	----	----	--	--	----	3	----		1	----	----	3	----	2	1	6	--	----	1
11. Spotted Fever	----	----	----	----	----	-	--	----	----	--	--	----	----	----		----	----	----	----	----	--	--	----	--	----	----
12. Meningitis	----	----	----	----	----	-	--	----	----	--	--	----	----	----		----	----	----	----	----	--	--	----	--	1	----
13. Meningitis, Cerebro-spinal	----	----	1	----	1	-	--	----	----	--	--	----	1	----		----	----	----	1	----	--	--	----	--	1	----
14. Meningitis, Spinal	----	----	3	----	----	-	--	1	----	--	--	----	----	----		----	----	----	----	----	--	--	----	--	1	2
15. Neuralgia	----	----	----	----	----	-	--	----	----	--	--	----	----	----		----	----	----	----	----	--	--	----	--	----	----

16. Spine Disease	-	----	--		----	----	--	----	----	----		----	--	----	----	--	---	-	-	--		----	----		----	---	----
17. Spine, Inflam. of	-	----	--		----	----	--	----	----	----		----	--	----	----	1	---	-	-	--	-	----	----		----	---	----
18. Frightened	-	----	--		----	----	--	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		----	---	----
III.—ORDER 2. Organs of Circulation	1	4	13		3	1	18	4	1	1	2	----	1	----	----	12	1	1	6	11	12	7	16	21	60	2
1. Pericarditis	-	1	3		1	----	4	1	----	----		----	--	----	----	--	1	1	2	-	3	3	3	3	5	1
2. Aneurism	-	----	--		----	----	--	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		----	---	----
3. Heart Disease	1	3	10	4	2	1	14	3	1	1	2	----	1	----	----	12	---	-	-	4	11	9	4	12	18	55	1
4. Emboli	-	----	--		----	----	--	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		----	---	----
III.—ORDER 3. Respiratory Organs	3	----	24	8	9	7	30	7	----	8	3	----	16	2	1	30	5	-	-	15	19	17	6	24	20	108	2
1. Epistaxis	-	----	--		----	----	1	----	----	----		----	--	----	----	--	---	-	-	--	1	----	----		----	---	----
2. Laryngitis	-	----	--		----	----	1	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		----	2	----
3. Bronchitis	-	----	6		----	----	--	----	----	5		----	--	----	----	3	1	-	-	--	1	1	----		1	7	----
4. Pleurisy	-	----	1		1	1	--	----	----	----		----	1	----	----	--	---	-	-	--	-	1	----		1	3	----
5. Pneumonia	2	----	12	3	3	6	20	2	----	3		----	8	----	----	20	3	-	-	13	11	12	6	18	12	68	2
6. Asthma	-	----	1		----	----	1	----	----	----		----	--	----	----	2	---	-	-	--	-	----	----		1	5	----
7. Lung Disease	1	----	4	5	4	----	7	5	----	----	3	----	6	2	1	5	1	-	-	2	5	3	----	4	5	21	----
8. Catarrh	-	----	--		1	----	--	----	----	----		----	1	----	----	--	---	-	-	--	1	----	----		----	2	----
III.—ORDER 4. Digestive Organs	3	1	15	9	6	----	18	4	----	----	7	----	18	1	1	23	6	-	-	8	23	14	9	7	11	59	3
1. Gastritis		-	2		1	----	1	----	----	----		----	--	----	----	1	2	-	-	1	2	2	----		1	5	1
2. Enteritis	2	-	2	6	1	----	11	----	----	----	4	----	7	1	1	8	2	-	-	4	8	4	4	5	3	18	1
3. Peritonitis		-	--		----	----	2	1	----	----		----	--	----	----	1	---	-	-	--	-	----	----		--	---	----
4. Ascites		-	--		----	----	--	----	----	----		----	--	----	----	1	---	-	-	--	-	----	----		--	---	----
5. Ulceration of Intestines		-	--		----	----	--	----	----	----		----	--	----	----	1	---	-	-	--	-	----	----		--	---	----
6. Hernia		-	--		----	----	--	----	----	----		----	1	----	----	1	---	-	-	--	-	1	----		1	2	----
7. Obstruction of Bowels		-	--		----	----	--	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		--	1	----
8. Intussusception		-	--		1	----	--	----	----	----		----	--	----	----	--	---	-	-	--	-	----	----		--	---	----

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																									
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw.	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
9. Stricture of Intestines	----	----	----	----	1	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----
10. Fistula	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	1	----	----	----	----	----	----
11. Stomach Diseases	----	----	5	2	----	----	----	----	----	----	1	----	2	----	----	3	----	----	----	5	3	3	----	3	6	----
12. Pancreas Disease	----	----	----	----	----	----	----	----	----			----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
13. Hepatitis	----	----	----	----	----	----	----	----	----			----	----	----	----	----	1	----	----	----	1	1	1	----	----	----
14. Jaundice	----	1	----	1	----	----	1	----	----			----	1	----	----	1	----	----	----	1	----	----	----	----	6	----
15. Liver Disease	----	----	5	----	2	----	3	3	----			----	6	----	----	4	1	----	3	6	1	----	1	1	17	1
16. Spleen Disease	----	----	----	----	----	----	----	----	----			----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
17. Bowel Diseases, etc.	----	----	1	----	----	----	----	----	----			----	1	----	----	2	----	----	----	----	1	1	----	2	4	----
18. Mouth Disease	----	----	----	----	----	----	----	----	----			----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
III.—ORDER 5. Urinary Organs	----	----	2	1	3	----	5	1	----			----	3	----	----	5	1	----	4	2	5	1	7	9	17	----
1. Nephritis	----	----	----	----	1	----	----	----	----			----	----	----	----	1	----	----	1	1	1	----	----	1	----	----
2. Ischuria	----	----	----	----			----	----	----			----	----	----	----	----	----	----	----	----	----	----	----	----	----	----
3. Bright's Disease of Kidneys	----	----	1	1		-	1	----	----			----	----	----	----	1	----	----	2	----	----	----	2	----	1	----
4. Diabetes	----	----	----	----		-	----	----	----			----	----	----	----	----	1	----	----	----	2	1	----	1	3	----
5. Calculus (Gravel, etc.)	----	----	1	----		-	1	----	----			----	----	----	----	1	----	----	----	----	1	----	3	----	5	----
6. Cystitis	----	----	----	----		-	----	----	----			----	----	----	----	2	----	----	----	----	1	----	1	----	1	----
7. Kidney Diseases	----	----	----	----		-	3	1	----			----	3	----	----	----	----	----	1	1	----	----	1	7	7	----
III.—ORDER 6. Generative Organs	----	----	----	----		-	2	----	----			----	----	----	----	1			----	1	----	----	1	1	----	1

1. Ovarian Disease	..	....	....		..	..	....	.	.	....	....	..	....	....		....		.		....	.	..	..	.	....	....	....
1. Ovarian Tumor	.	....	....		..	..	....	.	.	....	....	..	....	....		....		.		....	.	..	..	.	1	....	....
2. Diseases of Uterus	.	....	....		..	..	1	.	.	....	....	..	....	....		....		.		....	1	..	..	1	....	....	1
3. Hydrocele	.	....	....		..	..	....	.	.	....	....	..	....	....		....		.		....	.	..	..	.	....	....	....
III.—Order 7. Organs of Locomotion	.	....	....		1	..	....	.	.	....	....	..	....	....		....		.		1	.	..	..	1	....	6	....
1. Arthritis	.	....	....		....	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	..	.	....	1	....
2. Joint Diseases	.	....	....		1	..	....	.	.	....	....	..	....	....		....	..	....		1	.	..	..	1	....	5	....
III.—Order 8. Integumentary System	.	....	....	2	5	..	2	.	.	....	1	1	....	....		....	4	....		2	4	1	..	4	3	5	....
1. Phlegmon	.	....	....		2	..	1	.	.	....	....	1	....	....		....	3	....		1	1	1	.	2	....	3	....
2. Ulcer	.	....	....		....	..	1	.	.	....	....	..	....	....		....	..	....		1	1	..	..	.	....	....	....
3. Skin Diseases	.	....	....	2	3	..	....	.	.	....	1	..	....	....		....	1	....		....	2	..	..	2	3	2	....
Class IV.—Developmental Diseases	9	1	57	34	21	9	44	9	1	6	17	....	57	2	1	74	14		16	56	29	28	25	59	303	20
IV.—Order 1. Dev. Diseases of Children	6	1	30	18	18	5	9	2	....	5	12	....	37	2	....	36	5		7	25	12	18	11	19	159	16
1. Still-born	5	1	30	12	12	5	9	2	....	5	12	....	33	2	....	26	5		7	20	11	14	10	18	131	15
2. Infantile	.	....	....	4	..	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	2	.	1	1	....
2. Premature Birth	.	....	....	2	..	..	....	.	.	....	....	..	....	2		....	3	....		....	1	..	..	1	....	2	....
3. Cyanosis	.	....	....	.	..	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	..	.	....	....	....
4. Spina Bifida	.	....	....	.	..	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	1	.	....	....	....
5. Other Malformations	1	....	....	.	..	..	....	.	.	....	....	..	....	1		....	1	....		....	1	..	1	.	....	....	....
6. Teething	.	....	....	.	6	..	....	.	.	....	....	..	....	1		....	6	....		....	3	1	..	.	....	25	1
7. Injury at Birth	.	....	....	.	..	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	..	.	....	....	....
IV.—Order 2. Dev. Diseases of Women	2	....	8	5	2	1	3	3	1	1	2	....	3		....	3	3		2	9	3	5	3	2	31	2
1. Dysmenorrhea	.	....	....	1	..	..	....	.	.	....	....	..	....	....		....	..	....		....	.	..	..	.	....	....	....
1. Turn of Life	.	....	2	.	....	....	....	.	.	....	....	..	....	....		....	..	....		....	1	1	..	1	....	....	....
2. Childbirth	2	....	6	4	2	1	2	3	1	1	2	....	3		....	3	3		2	8	2	4	1	2	31	2
2. Abortion	.	....	....	.	....	....	....	.	.	....	....	....	....	....		....	..	....		....	.	..	1	.	....	....	....
2. Uterine Hemorrhage	.	....	....	....	....	....	1	.	.	....	....	....	....	....		.	....	....		....			..	1	....		....

TABLE XVI.—CONTINUED.—*Causes of Death, Classified.*

CAUSES OF DEATH,—1878.	COUNTIES.—1878.																								
	Midland.	Missaukee.	Monroe.	Montcalm.	Muskegon.	Newaygo.	Oakland.	Oceana.	Ogemaw	Ontonagon.	Osceola.	Otsego.	Ottawa.	Presque Isle.	Roscommon.	Saginaw.	Sanilac.	Schoolcraft.	Shiawassee.	St. Clair.	St. Joseph.	Tuscola.	Van Buren.	Washtenaw.	Wayne.	Wexford.
IV.—ORDER 3. Dev. Dis. of Old People..	1	----	15	9	1	3	22	3		---	2		16		----	23	6	1	4	16	9	5	10	37	101	1
1. Old Age	1	----	15	9	1	3	22	3		---	2		16		----	23	6	1	4	16	9	5	10	37	101	1
IV.—ORDER 4. Diseases of Nutrition....	----	----	4	2	----	----	10	1		---	1		1		1	12	----	----	3	6	5	----	1	1	12	1
1. Atrophy and Debility	----	----	4	2	----	----	10	1		---	1		1		1	12	----	----	3	6	5	----	1	1	12	1
CLASS V.—VIOLENT DEATHS	3	1	19	13	17	5	6	5	1	---	10		21	2	1	40	5	----	2	23	7	5	10	17	74	8
V.—ORDER 1. Accident or Negligence...	1	1	13	10	12	3	2	3		---	6		13	2	1	26	3	----	----	15	5	5	6	11	41	6
1. Fractures and Contusions	----	----	1	----	----	1	----	----		---	2		----		----	2	----	----	----	1	1	1	----	----	12	3
2. Wounds	----	1	----	----	1	----	----	----		---	----		2		----	----	----	----	----	--	----	----	3	1	2	----
3. Burns and Scalds	----	----	2	3	1	1	----	1		---	1		1		----	1	1	----	----	2	1	1	----	4	5	2
4. Poison	1	----	1	----	1	----	----	----		---	----		1		1	1	----	----	----	1	2	----	----	2	----	----
5. Drowning	----	----	1	1	7	---	1	2		---	2		5		----	16	1	----	----	3	1	1	3	1	12	1
6. Suffocation	----	----	1	1	----	----	----	----		---	----		----		----	1	----	----	----	2	----	1	----	----	1	----
7. Otherwise	----	----	7	5	2	1	1	----		---	1		4		----	5	1	----	----	6	----	1	----	3	9	----
V.—ORDER 2. In Battle	----	----	----	----	----	----	----	----		---	----		----		----	----	----	----	----	--	----	----	----	----	----	----
V.—ORDER 3. Homicide	----	----	1	----	----	----	----	----		---	1		----		----	----	----	----	----	1	----	----	----	----	2	----
1. Murder	----	----	----	----	----	----	----	----		---	1		----		----	----	----	----	----	1	----	----	----	----	1	----
V.—ORDER 4. Suicide	----	----	1	----	3	----	1	----		---	2		2		----	2	1	----	----	1	----	----	----	1	13	----
1. Wounds	----	----	1	----	----	----	----	----		---	----		----		----	----	----	----	----	1	----	----	----	1	2	----

2. Poison	----	--	----	----	2	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	----	----	----	1	----
3. Drowning	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	----	----	----	--	----
4. Hanging	----	--	----	----	----	----	-	----	----	----	----	----	----	-	2	----	----	----	----	----	----	----	----	3	----
5. Otherwise and not Specified	----	--	----	----	1	----	1	----	----	----	2	2	----	-	----	1	----	----	----	----	----	----	----	7	----
V.—ORDER 5. Execution	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	----	----	----	--	----
1. Hanging	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	----	----	----	--	----
V.—ORDER 6. Violent Deaths not Included above	2	--	4	3	2	2	3	2	----	----	1	6	----	-	12	1	----	2	6	2	----	4	5	18	2
UNCLASSIFIED	----	--	----	----	1	1	1	----	1	4	----	----	----	-	----	2	----	1	2	2	4	3	1	9	----
1. Corn on Foot	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	1	----	----	----	----	----	--	----
2. Head Disease	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	----	----	1	--	----
3. Head, Rupture in	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	1	----	----	--	----
4. Hemorrhage, Umbilical	----	--	----	----	----	----	-	----	----	----	----	----	----	-	----	----	----	----	----	----	1	----	----	--	----
5. Hemorrhage	----	--	----	----	----	----	-	----	1	1	----	----	----	-	----	----	----	----	----	1	1	1	----	2	----
6. Inflammation	----	--	----	----	1	1	1	----	----	3	----	----	----	-	----	2	----	----	2	1	1	2	----	7	----
Causes not Specified	3	2	41	18	41	11	23	10	----	3	23	23	11	1	50	26	----	11	31	9	13	18	16	204	7

TABLE XVII.—*Exhibiting, by Sex, by Months, by Specified Causes, and by Ages in Periods of Years, the Number of Persons Returned as having Died in Michigan during the Year ending December 31, 1878; also, by Sex, and by Specified Causes, the Number of Persons Returned as having Died during each of the Years 1874 to 1878, inclusive, (Still-births included).*

DEATHS FROM ALL CAUSES.

SEX.	Months, 1878.													Years.					Ages in Periods of Years.—1878.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	730	789	930	1029	923	870	1017	1371	1343	1190	1181	1369	24	12766	12919	12576	11990	12500	5007	791	418	490	564	512	438	416	391	391	383	444	439	508	454	427	492	201
Males	369	407	461	562	484	441	528	726	691	607	617	727	12	6632	6827	6756	6448	6665	2698	385	198	204	253	224	190	191	185	209	214	253	264	300	273	227	250	114
Females	356	379	466	459	437	427	488	642	645	577	562	632	12	6082	6040	5761	5484	5804	2260	406	220	286	311	288	248	225	206	182	169	191	175	208	181	200	242	84
Unknown	5	3	3	8	2	2	1	3	7	6	2	10	..	52	52	59	58	31	49	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Abortion, Attempted	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	3	..	..	1	1	..	..	1	..	..	1	..	7	6	7	10	6	9	Abortion	....	..	..	..	..	1	1	4	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Abscess of Abdomen	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	" " "	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Abscess of Ankle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Abscess of Arm	....	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Abscess under Arm	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	1	..	..	1	..	..	..	..	2	....	....	1	2	....	Abscess of Back	....	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	1	2	....	" " "	....	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Abscess of Bladder	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	Abscess of Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	4	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	3	....	1	....	Abscess of Brain	....	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Abscess of Ear	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	1	1	....	Abscess of Groin	....	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	3	2	Abscess of Head	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	1	Abscess of Hip	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females											1			1	2					Abscess of Hip														1				
Males															1					Abscess, Internal																	
Females																			1	Abscess of Kidneys																	
Females										1				1						Abscess of Leg										1							
Males																1				Abscess of Limb																	
Females																	1			" " "																	
Males						1					1			2	2			1		Abscess, Lumbar[a]		1			1												
Males									1					1						Abscess of Neck		1															
Females																	1			" " "																	
Females																1		2		Abscess, Pelvic																	
Males																1				Abscess on Shoulder																	
Males															4	3	4			Abscess in Side																	
Females										1				1	2	1	1			" " "					1												
Males																	1		1	Abscess of Spine																	
Females															1					" " "																	
Males																			1	Abscess of Spleen																	
Males						1		1				1		3		2	2			Abscess of Stomach										3							
Females															1	1				" " "																	
Males																	1		2	Abscess in Throat																	
Females															1				1	" " "																	
Total	2	2	1	1		4	2	3	2	3	1	1		22	15	6	7	18	17	Abscess	9			1	3	1		3		2	1			2			

Males	1	1	..	1	..	2	1	2	..	2	..	1		11	7	2	2	10	11	Abscess	5	..	..	..	1	..	..	2	..	2	..	..	..	..	..	..	..	..
Females	1	1	1	..	..	2	1	1	2	1	1	..		11	8	4	5	8	6	"	3	..	..	1	2	1	..	1	..	..	1	..	..	2	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	1	..	Albuminuria	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		..	2	..	..	..	..	Alcoholism	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..		1	..	..	..	..	..	Amputation of Foot	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	1		1	1	1	2	1	5	Amputation of Leg	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	1	..	..	Amputation of Limb	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Amputation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	2	..	Anæmia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	Aneurism of Aorta	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Aneurism of Heart	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..		..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	..	..	..	1	..	..	..	..	2	..	..	1	..	1	Aneurism	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	1	..	..	..	..		..	..	1	..	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	1	..	..	..	..	..	..	..	..	..		..	..	..	..	..	"	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..		1	..	2	..	..	Angina Pectoris	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..		..	..	..	..	..	Apoplexy, Cerebral	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	5	6	5	6	13	9	8	7	14	5	4	8	1	91	85	107	89	63	81	Apoplexy	1	..	1	1	2	1	5	3	5	3	11	7	12	11	12	11	4	1
Males	2	3	3	4	8	3	3	3	9	3	2	4	1	48	56	61	51	45	49	"	..	..	1	..	2	1	1	3	2	2	6	3	6	6	6	5	3	1
Females	3	3	2	2	5	6	5	4	5	2	2	4	..	43	29	46	38	18	32	"	1	..	..	1	..	..	4	..	3	1	5	4	6	5	6	6	1	..
Total	5	2	2	3	2	2	2	..	6	1	4	1	..	30	24	23	20	20	21	Asthma	2	..	..	..	..	..		1	2	2	2	5	4	6	3	3	..	..
Males	5	2	1	2	1	1	1	..	1	..	2	..	..	16	16	11	12	11	13	"	1	..	..	..	..	..	..	..	1	..	1	4	3	3	2	1	..	..
Females	..	..	1	1	1	1	1	..	5	1	2	1	..	14	8	12	8	9	8	"	1	..	..	..	..	..	..	1	1	2	1	1	1	3	1	2	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	Atrophy of Heart	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	..	..	1	..	..	..	..	1	..	..	1	..	..	3	..	..	..	..	..	Atrophy	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..

a Includes 1 Psoas Abscess. b Chronic.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	1	..	..	..	..	..	..	..	1	..	..	2	....	....	....	....	....	Atrophy	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Biliary Calculus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	1	..	..	..	..	..	..	2	4	....	5	3	....	Birth, Injury at	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	4	....	5	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	....	....	....	2	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Birth,—Instrumental Delivery	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	3	4	4	2	3	1	4	3	3	4	1	..	34	41	34	28	21	16	Birth, Premature	32	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Males	2	2	2	2	1	1	..	3	2	1	2	1	..	19	20	17	13	10	10	" "	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	1	1	2	1	2	1	..	1	2	2	..	..	13	18	16	15	11	6	" "	12	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Unknown	..	..	1	..	..	..	..	1	..	..	..	..	..	2	3	1	....	....	....	" "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	Bite of Insect	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	Bladder, Catarrh in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	1	..	2	....	2	3	6	1	Bladder, Disease of	....	..		..	..	..	..	..	..	..	1	..	1	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	1	" " "	....	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	2	3	1	3	..	..	..	..	..	1	..	..	10	9	5	11	6	8	Bladder, Inflam. of	1	..		..	..	..	1	1	..	..	..	..	2	..	1	3	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	3	1	1	" " "	....	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Bladder, Paral. of	....	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Bladder, Ulcer. of	....	..		..	..	..	..	..	..	..	..	..	..	..	1	..	..	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Bones, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	1	3	..	1	2	1	2	..	3	..	..	16	23	22	19	28	15	Bowels, Consumption of	7	1	..		1	..	..	1	2	1	1	..	2	..	..	..	..	..	..	..	..
Males	..	..	1	2	..	1	1	1	1	..	1	..	..	8	6	10	11	18	4	" " "	2	1	..		..	..	..	1	1	1	1	..	1	..	..	..	..	..	..	..	..
Females	1	2	..	1	..	..	1	..	1	..	2	..	..	8	17	12	8	10	11	" " "	5	..	..		1	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Total	2	1	1	3	2	1	1	4	7	1	6	6	..	35	39	36	41	40	57	Bowels, Disease of	16	2	3	2	1	..	..	1	..	..	3	1	3	..	2	1	..	..	..	..	..
Males	1	1	..	3	1	1	1	4	5	1	4	3	..	25	23	22	21	24	31	" " "	11	2	1		1	..	..	1	..	..	3	1	3	..	1	1	..	..	..	..	..
Females	1	..	1	..	1	..	..	..	2	..	2	3	..	10	16	14	19	16	26	" " "	5	..	2	2	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Bowels, Impaction of	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	8	11	16	17	14	20	21	34	15	25	16	17	..	214	226	239	218	208	286	Bowels, Inflam. of	85	12	11	19	7	15	7	4	10	7	4	10	6	5	5	1	2	4		
Males	6	5	6	10	8	12	9	18	9	13	2	11	..	109	129	126	118	117	152	" " "	45	4	5	9	2	4	4	2	7	6	2	5		4	2	..	1	3		
Females	2	6	10	7	6	8	12	16	6	12	14	6	..	105	97	111	100	91	134	" " "	40	8	6	10	5	11	3	2	3	1	2	5	2	1	3	1	1	1		
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	..	Bowels,—Intussusception	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	Bowels, Neuralgia of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	..	..	..	..	..	1	..	..	..	..	..	..	3	..	2	3	2	8	Bowels, Obstruction of	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	1	6	" " "	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	1	..	..	..	..	..	..	2	..	1	1	1	2	" " "	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	2	..	..	Bowels, Paral. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		1	..	..	Bowels, Perforation of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..		..	..	..	" " "	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		1	..	..	..	..	..	..	..	..	..	1	1		..	..	..	Bowels, Stricture of	..	..	..	..	..	..	..	1	..	..	..	..		..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	2	4	5	3	3	Bowels, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..
Females	..	..		..	..	1	..	..	..	..	..	..	..	1	..		2	3	..	" " "	..	..	..	..	..	..	..	..	1	..	..	..		..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	1		..	..	2	Brain, Compression of	..	..	..	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	....	....	1	Brain, Compression of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	1	..	1	..	..	1	..	..	..	..	3	5	2	....	....	....	Brain, Concussion of	1	..	..	..	..	..	..	1	..	..		..	..	..	..	..	1	..
Males	..	..	..	..	..	1	..	..	1	..	..	..	..	2	4	2	....	....	....	" " "	1	..	..	..	..	..	..	1	..	..		..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..		..	..	..	..	..	1	..
Total	6	6	10	11	10	9	11	20	21	13	3	14	..	134	153	175	106	145	178	Brain, Disease of	74	11	5	6	2	11	4	2	3	4		5	3	3	..	..	..	1
Males	4	2	5	6	6	5	9	10	8	8	3	9	..	75	79	101	48	79	97	" " "	37	6	4	5	1	7	3	1	1	2		4	1	3	..	..	..	..
Females	2	4	5	5	4	4	2	10	13	5	..	5	..	59	74	74	58	66	81	" " "	37	5	1	1	1	4	1	1	2	2		1	2	.	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	Brain, Effusion of	....	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
Total	6	22	15	19	10	22	19	28	27	18	20	19	..	225	291	275	232	261	333	Brain, Inflam. of	145	15	10	14	12	3	3	3	3	..		5	3	2	..	1	1	4
Males	4	14	8	12	4	8	6	12	12	9	9	9	..	107	154	148	132	144	195	" " "	70	7	5	4	7	2	2	1	1	..		4	1	..	..	1	1	1
Females	2	8	7	7	6	14	13	16	15	9	11	10	..	118	137	127	99	117	138	" " "	75	8	5	10	5	1	1	2	2	..		1	2	2	.	..	..	3
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	1	....		" " "	....	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	1	....		Brain, Injury of	....	..	..	..	..	..	..	..	..	..		..	..	..	..	..	..	..
Total	..	..	2	..	..	..	..	1	..	..	1	4	..	8	2	3	4	3		Brain, Paralysis of	1	1	..	1	..	..	..	..	1	1		..	1	..	..	1	1	..
Males	..	..	1	..	..	..	..	..	..	..	1	2	..	4	1	1	1	2		" " "	1	1	..	..	..	..	..	..	..		..	..	..	..	..	1	1	..
Females	..	..	1	..	..	..	..	1	..	..	..	2	..	4	1	2	3	1		" " "	....	..	..	1	..	..	..	..		1		..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....		Brain, Rupture of	....	..	..	..	..	..	..	..		..		..	..	..	..	..	..	..
Total	2	1	2	1	2	3	..	4	3	5	1	1	..	25	29	30	29	15	19	Brain, Softening of	1	..	..	1	..	..	1	..		2	3	3	3	3	4	1	3	..
Males	2	1	2	1	1	2	..	4	2	3	1	1	..	20	22	23	22	12	12	" " "	1	..	..	..	..	..	1	..		2	3	2	3	2	3	1	2	..
Females	..	..	..	..	1	1	..	..	1	2	..	..	..	5	7	7	7	3	7	" " "	....	..	..	1	..	..	..	..		..		1	..	1	1	..	1	..

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	Bronchitis, Capillary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	3	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	..	..	..	..	..	..	..	..	..	..	2	3	..	2	..	2	Bronchitis, Chronic	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	2	..	1	" "	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	3	6	1	7	2	2	2	5	4	5	2	..	42	39	42	41	32	18	Bronchitis	20	1	..	..	3	2	1	1	1	..	1	3	3	1	2	2	..	1	..	..	..
Males	3	1	2	1	4	..	1	1	3	3	3	..	..	22	21	27	19	19	11	"	12	..	..	..	1	2	..	1	..	..	..	2	2	..	..	1	..	1	..	..	..
Females	..	2	4	..	3	2	1	1	2	1	2	2	..	20	18	15	22	13	7	"	8	1	..	..	2	..	1	..	1	..	1	1	1	1	2	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Brutal Treatment	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Bullet in Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	1	3	7	5	2	5	7	..	2	2	2	..	39	28	41	36	39	52	Burns	17	6	3	2	1	1	3	2	2	..	..	..	..	..	..	..	1	1	..	..
Males	3	1	..	3	2	1	3	3	..	..	1	..	..	17	6	16	13	13	19	"	9	1	2	1	..	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	3	4	3	1	2	4	..	2	1	2	..	22	22	23	23	26	33	"	8	5	1	1	1	..	3	1	..	..	..	..	..	..	..	..	1	1	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Calculus, Hepatic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	Calculus, Renal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17	21	16	23	34	17	26	26	22	25	17	26	..	269	265	241	202	188	171	Cancer	7	..	..	1	2	6	9	14	18	30	27	40	31	36	16	11	13	8	..	..
Males	3	11	6	11	18	6	12	10	11	11	6	11	..	116	124	118	72	84	75	"	4	..	..	1	1	2	3	2	3	13	13	18	15	15	10	6	6	4	..	..
Females	14	10	10	12	15	11	14	16	11	14	11	15	..	153	141	123	130	104	96	"	3	..	..	..	1	4	6	12	15	17	14	22	16	21	6	5	7	4	..	..
Total	1	..	..	2	1	..	1	5	5	6	3	1	..	25	30	39	35	31	49	Canker (Noma)	21	1	..	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Males	1	..	..	1	1	..	..	1	2	2	3	..	..	11	18	23	16	16	26	" "	9	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..	..	1	4	3	4	..	1	..	14	12	16	19	15	23	" "	12	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	Capsule, Renal	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Carbuncle on Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	Carbuncle on Neck	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	---	---	1	Brain, Compression of	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	1	--	1	--	--	1	--	--	--	--	3	5	2	---	---	---	Brain, Concussion of	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--
Males	--	--	--	--	--	1	--	--	1	--	--	--	--	2	4	2	---	---	---	" " "	1	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	1	--	--	--	--	--	--	--	--	--	1	1	---	---	---	---	" " "	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Total	6	6	10	11	10	9	11	20	21	13	3	14	--	134	153	175	106	145	178	Brain, Disease of	74	11	5	6	2	11	4	2	3	4	--	5	3	3	--	--	--	1
Males	4	2	5	6	6	5	9	10	8	8	3	9	--	75	79	101	48	79	97	" " "	37	6	4	5	1	7	3	1	1	2	--	4	1	3	--	--	--	--
Females	2	4	5	5	4	4	2	10	13	5	--	5	--	59	74	74	58	66	81	" " "	37	5	1	1	1	4	1	1	2	2	--	1	2	--	--	--	--	1
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	---	2	---	---	---	---	Brain, Effusion of	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	---	2	---	---	---	---	" " "	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	6	22	15	19	10	22	19	28	27	18	20	19	--	225	291	275	232	261	333	Brain, Inflam. of	145	15	10	14	12	3	3	3	3	--	1	5	3	2	--	1	1	4
Males	4	14	8	12	4	8	6	12	12	9	9	9	--	107	154	148	132	144	195	" " "	70	7	5	4	7	2	2	1	1	--	--	4	1	--	--	1	1	1
Females	2	8	7	7	6	14	13	16	15	9	11	10	--	118	137	127	99	117	138	" " "	75	8	5	10	5	1	1	2	2	--	1	1	2	2	--	--	--	3
Unknown	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	1	---	---	" " "	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	---	---	---	1	---	---	Brain, Injury of	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	--	--	2	--	--	--	--	1	--	--	1	4	--	5	2	3	4	3	---	Brain, Paralysis of	1	1	--	1	--	--	--	--	1	1	--	--	1	--	--	1	1	--
Males	--	--	1	--	--	--	--	--	--	--	1	2	--	4	1	1	1	2	---	" " "	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--
Females	--	--	1	--	--	--	--	1	--	--	--	2	--	4	1	2	3	1	---	" " "	---	--	--	1	--	--	--	--	1	1	--	--	1	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	---	1	---	---	---	---	Brain, Rupture of	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2	1	2	1	2	3	--	4	3	5	1	1	--	25	29	30	29	15	19	Brain, Softening of	1	--	--	1		--	1	--	--	2	3	3	3	3	4	1	3	--
Males	2	1	2	1	1	2	--	4	2	3	1	1	--	20	22	23	22	12	12	" " "	1	--	--	--		--	1	--	--	2	3	2	3	2	3	1	2	--
Females	--	--	--	--	1	1	--	--	1	2	--	--	--	5	7	7	7	3	7	" " "	---	--	--	1		--	--	--	--	--	--	1	--	1	1	--	1	--

Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	2	Bronchitis, Capillary	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	1	3	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	..	..	..	..	..	..	..	..	..	..	2	3	..	2	..	2	Bronchitis, Chronic	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	2	..	1	" "	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Total	3	3	6	1	7	2	2	2	5	4	5	2	..	42	39	42	41	32	18	Bronchitis	20	1	..	..	3	2	1	1	1	..	1	3	3	1	2	2	..	1	..	..	..	..
Males	3	1	2	1	4	..	1	1	3	3	3	..	..	22	21	27	19	19	11	"	12	..	..	..	1	2	..	1	..	..	..	2	2	..	..	1	..	1	..	..	..	..
Females	..	2	4	..	3	2	1	1	2	1	2	2	..	20	18	15	22	13	7	"	8	1	..	..	2	..	1	..	1	..	1	1	1	1	2	1	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Brutal Treatment	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Bullet in Brain	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	1	3	7	5	2	5	7	..	2	2	2	..	39	28	41	36	39	52	Burns	17	6	3	2	1	1	3	2	2	..	..	..	..	..	..	..	1	1	..	..	..
Males	3	1	..	3	2	1	3	3	..	..	1	..	..	17	6	16	13	13	19	"	9	1	2	1	..	1	..	1	2	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	3	4	3	1	2	4	..	2	1	2	..	22	22	23	23	26	33	"	8	5	1	1	1	..	3	1	..	..	..	..	..	..	..	..	1	1	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Calculus, Hepatic	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	Calculus, Renal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17	21	16	23	34	17	26	26	22	25	17	26	..	269	265	241	202	188	171	Cancer	7	..	..	1	2	6	9	14	18	30	27	40	31	36	16	11	13	8	..	..	..
Males	3	11	6	11	18	6	12	10	11	11	6	11	..	116	124	118	72	84	75	"	4	..	..	1	1	2	3	2	3	13	13	18	15	15	10	6	6	4	..	..	..
Females	14	10	10	12	15	11	14	16	11	14	11	15	..	153	141	123	130	104	96	"	3	..	..	..	1	4	6	12	15	17	14	22	16	21	6	5	7	4	..	..	..
Total	1	..	..	2	1	..	1	5	5	6	3	1	..	25	30	39	35	31	49	Canker (Noma)	21	1	..	1	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Males	1	..	..	1	1	..	..	1	2	2	3	..	..	11	18	23	16	16	26	" "	9	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..	..	1	4	3	4	..	1	..	14	12	16	19	15	23	" "	12	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	Capsule, Renal	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Carbuncle on Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	Carbuncle on Neck	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	1	....	1	1	3	Carbuncle	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	1	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	1	....	....	Cardialgia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	1	....	....	....	Caries of Joint	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	9	14	14	16	18	18	34	12	21	14	19	..	202	222	222	215	182	223	Casualty	9	13	8	16	14	17	13	17	16	20	8	12	16	3	3	2	3	12
Males	12	7	13	12	15	18	16	32	7	21	12	19	..	184	195	197	195	155	186	"	5	9	8	15	14	17	13	16	15	19	7	10	15	2	3	2	3	11
Females	1	2	1	2	1	..	2	2	5	..	2	..	..	18	27	25	20	27	37	"	4	4	..	1	..	..	..	1	1	1	1	2	1	1	..	..	..	1
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	1	....	....	....	Catarrh in Head	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	2	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	1	....	....	....	....	Catarrh, Intestinal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	....	....	1	Catarrh of Lungs	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	..	3	..	..	..	....	1	1	1	2	..	11	4	11	7	5	6	Catarrh	4	..	..	1	..	..	2	2	..	..	..	..	1	1	..	..	..	..
Males	1	2	..	2	..	..	..	....	1	..	..	1	..	7	4	8	3	2	5	"	3	..	..	1	..	..	1	..	..	..	..	..	1	1	..	..	..	..
Females	..	..	..	1	..	..	..	....	..	1	1	1	..	4	....	3	4	3	1	"	1	..	..	..	..	..	1	2	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	....	....	1	Chest Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	1	....	....	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	....	..	..	..	..	..	1	....	1	2	....	....	Chicken-pox	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	4	1	1	1	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	7	13	13	17	11	18	10	13	15	13	20	..	161	151	141	173	197	254	Childbirth	....	..	..	10	36	28	25	33	21	7	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	....	..	..	..	..	..	....	....	....	2	....	....	Childbirth, Inflam. after	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	..	2	4	3	3	6	7	7	14	5	5	8	..	64	75	55	62	78	113	Chills, Congestive	15	6	3	2	4	4	5	2	3	1	1	5	4	3	2	4	..	..
Males	..	1	1	1	..	2	2	2	9	1	3	6	..	28	39	27	27	44	49	" "	7	3	1	1	2	2	2	..	1	..	..	2	2	2	2	1	..	..
Females	..	1	3	2	3	4	5	5	5	4	2	2	..	36	36	28	35	34	64	" "	8	3	2	1	2	2	3	2	2	1	1	3	2	1	..	3	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Chills, Nervous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Chlorine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	Chloroform	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	1	"	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	Chlorosis	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	3	..	..	1	..	..	..	..	..	..	..	4	1	2	5	2	1	Choked	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	2	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	9	4	5	5	2	10	38	101	42	19	5	3	..	243	370	331	289	278	306	Cholera Infantum	235	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Males	4	3	3	3	1	6	21	55	15	9	3	2	..	125	205	179	157	163	179	" "	123	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	5	1	2	2	1	4	17	45	26	10	2	1	..	116	165	152	130	115	127	" "	112	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	1	1	..	..	..	..	2	..	..	2	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Total	..	..	1	1	..	1	5	7	6	1	1	..	..	23	26	27	16	18	37	Cholera Morbus	8	1	1	..	..	1	..	2	1	1	1	1	3	2	1	..	..	..
Males	..	..	..	1	..	1	3	4	4	..	..	..	..	13	17	15	8	15	23	" "	6	1	1	..	..	1	..	1	..	..	..	1	1	..	1	..	..	..
Females	..	..	1	..	..	..	2	3	2	1	1	..	..	10	9	12	8	3	14	" "	2	..	..	..	..	..	..	1	1	1	1	..	2	2	..	..	..	..
Males	..	..	..	..	..	..	2	..	2	..	..	..	..	4	10	6	1	3	6	Cholera	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	6	1	3	3	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	1	..	..	..	..	..	2	1	3	2	3	5	Chorea	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	2	1	3	..	"	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	1	..	5	"	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	..	..	Cirrhosis of Liver	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	Cirrhosis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	Cold on Lungs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	1	..	..	1	2	1	..	2	1	8	..	18	12	24	20	25	18	Cold	12	..	2	..	1	..	..	..	..	..	1	..	1	1	..	..	..	..
Males	..	1	1	..	..	..	2	1	..	1	..	2	..	8	8	13	12	14	11	"	6	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Females	1	..	..	..	..	1	..	..	..	1	1	6	..	10	4	11	8	11	7	"	6	..	2	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																			
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown
Total	1	...	...	...	1	...	-	2	...	...	2	1	..	7	7	5	10	2	4	Colic, Bilious	3	1	..	...	...	1	...	1	...	...	..	1	..	..			..
Males	...	...	...	...	1	...	-	1	...	...	.	1	..	3	4	4	9	1	1	" "	1	1	..	...	...	...	...	1	...	...	..	..	..	..			..
Females	1	...	...	...	...	...	-	1	...	...	2	...	..	4	3	1	1	1	3	" "	2	..	..	...	...	1	...	.	...	...	..	1	..	..			..
Males	...	...		...	...	...	-	...	...	...	.	1	..	1	1	....	1	1	....	Colic, Painters	....	..	..	...	1	...	...	.	...	...	..	..	..	..			..
Total	...	...			...	1	-	...	...	1	.	1	..	4	4	5	8	5	6	Colic	4	..	..	...	...	...	...	.	...	...	..	..	..	..			..
Males	...	...		..	...	...	-	...	...	1	.	1	..	2	2	3	4	2	4	"	2	..	..	...	...	...	...	.	...	...	..	..	..	..			..
Females	...	...	...		...	1	-	...	...	..	.	...	..	2	2	2	4	3	2	"	2	..	..	...	...	...	...	.	...	...	..	..	..	..			..
Males	...	...	...	..	...	...	-	1	...	..	.	...	..	1	1	....	....	....	1	Constipation	1	..	..	...	...	...	...	.	...	...	..	..	..	..			..
Females	...	...	...	..	...	...	-	...	...	..	.	...	..	....	1	....	....	....	....	"	....	..	..	...	...	...	...	.	...	...	..	..	..	..	..	..	..
Total	91	117	139	173	134	120	14	142	143	144	141	149	4	1641	1664	1590	1479	1392	1417	Consumption	75	16	41	139	231	216	156	131	107	103	85	87	70	63	50	31	20	20
Males	38	51	65	73	65	56	61	64	66	55	67	66	1	729	726	700	708	656	671	"	37	8	8	33	88	78	58	60	54	50	45	53	50	39	33	20	9	6
Females	55	63	74	100	69	64	83	78	77	89	74	83	3	912	938	890	771	736	776	"	38	8	33	106	143	138	98	71	53	53	40	34	20	24	17	11	11	14
Total	13	8	21	16	10	15	12	30	16	15	3	24	..	193	165	185	164	144	156	Convulsions, (See Fits)	173	6	4	2	1	...	2	1	...	..	1	1	..	..	..	..	..	2
Males	4	5	8	11	2	8	8	19	10	7	8	13	..	103	104	98	77	77	89	Convulsions, (See Fits)	96	1	1	...	...	...	2	.	...	...	1	1	..	..	..	..	..	1
Females	9	3	13	5	8	7	4	11	6	8	5	11	..	90	61	87	87	67	67	Convulsions, (See Fits)	77	5	3	2	1	...	...	1	...	...	..	..	..	..			..	1
Total	..	...	...	...		...	-	...	...	..	2	...	..	2	5	....	....	....	....	Cough	....	..	..	...	...	...	...	...		...	..	..					..	2
Males		.	.	...		..	-	...	...	..		...	..	1	3	....	..	....	....	"	....	..	..	...	...	...	...	...		...		..					..	1
Females		.	.	...		..	-	...	...	..		...	..	1	2	...	..	..	.	"	....	..	..	...	...	...	...	...		...		..					..	1
Males		.	.	...		...	-	...	...	..		...	..	...	..	...	..	1	.	Craniotomy	....	..	..	...	...	...	...	..		...		..					..	..
Females		.	.	...	...	...	-	1	...	..		...	..	1	..	...	..	.	.	Corn on Foot	....	..	..	...	...	...	...	...		...		1					..	..
Total	3	4	2	2	...	1	.	2	3	4	7	9	..	37	19	21	11	10	6	Croup, Membranous.	28	7	1	...	...	...	...	...		...		..					..	1

Males	3	2		1		1			1	3	3	6		20	10	9	9	6	6	" "	15	4	1																	
Females		2	2	1				2	2	1	4	3		17	9	12	2	4		" "	13	3																			1
Males																		2	1	Croup, Spasmodic																				
Females																			1	" "																				
Total	20	9	9	13	11	7	11	6	18	23	36	36		199	145	157	156	130	164	Croup	167	23	6									1		1						1
Males	9	4	6	11	6	4	4	4	13	12	24	17		114	85	96	93	65	95	"	97	13	1									1		1						1
Females	11	5	3	2	5	3	7	2	5	11	12	19		85	60	61	63	65	69	"	70	10	5																	
Males					1									1	3			1		Cyanosis	1																			
Females															2	2		1		"																				
Total					1	1				2				4	7	3	4	2	2	Debility, Nervous	1												1	2					
Males					1					1				2	4	1	3	1		" "													1	1						
Females						1				1				2	3	2	1	1	2	" "	1														1					
Total	3	4	10	6	8	8	10	11	17	18	13	14	1	123	150	155	164	171	184	Debility	49			2	1	1	3		1	2		4	5	16	13	14	10	2	
Males	2	3	7	4	5	6	7	4	7	11	4	8		68	83	91	90	99	97	"	26				1		1			2		3	1	11	9	7	6	1	
Females	1	1	3	2	3	2	3	7	10	7	9	6	1	55	67	64	73	72	86	"	23			2		1	2		1			1	4	5	4	7	4	1	
Unknown																	1		1	"																			
Males				1				1	3	1	1	1		8	1	5	11	5	15	Delirium Tremens						2		1	1	1	1	1		1					
Females																1		1	1	" "																				
Males																2		1		Dementia, Chronic																				
Females																			2	" "																				
Males																		1		Dementia, Epileptic																				
Males																1				Dementia, Melanch'lia																				
Males	1	1												2		3	3	1	1	Dementia, Paralytic							1				1								
Females																1		2		" "																				
Males															1			2		Dementia																				
Females						1								1			1	1		"											1									

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																		
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Diabetes Mellitus	....	....	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	2	1	5	2	..	4	2	2	5	3	5	..	33	39	19	36	27	30	Diabetes	2	1	5	5	2	1	..	1	..	1	3	4	..	..	5	2	..	1
Males	1	1	1	4	1	..	2	1	2	3	3	3	..	22	30	12	26	17	18	"	....	1	2	4	2	..	..	1	..	1	2	2	..	..	5	1	..	1
Females	1	1	..	1	1	..	2	1	..	2	..	2	..	11	9	7	10	10	12	"	2	..	3	1	..	1	..	..	..	..	1	1	..	..	..	1	..	..
Total	..	1	1	..	..	1	1	..	6	..	..	2	..	12	21	15	27	15	27	Diarrhea, Chronic	3	..	..	..	..	..	..	1	..	2	..	1	1	..	..	4	..	..
Males	..	1	1	..	..	..	..	..	6	..	..	2	..	10	12	11	17	10	19	" "	3	..	..	..	..	..	..	1	..	2	..	..	1	..	..	3	..	..
Females	..	..	..	..	..	1	1	..	..	..	..	..	..	2	8	4	10	5	8	" "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	2	4	4	5	9	38	47	24	12	7	5	..	161	269	289	256	365	356	Diarrhea	149	4	..	2	..	1	..	..	..	1	1	..	1	..	1	1	..	..
Males	1	1	1	2	3	5	19	22	15	5	3	4	..	81	140	159	145	208	189	"	74	2	..	1	..	..	..	..	..	1	..	..	1	..	1	1	..	..
Females	3	1	3	2	2	4	19	25	9	7	4	1	..	80	128	128	111	157	167	"	75	2	..	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	56	63	51	40	42	34	36	58	113	131	134	127	2	887	593	311	207	213	217	Diphtheria	336	309	131	41	10	5	4	1	1	3	3	3	1	..	1	1	1	6
Males	20	24	21	24	14	15	17	26	53	60	62	60	..	396	299	154	105	107	115	"	167	130	65	13	4	2	2	..	..	2	2	1	..	..	1	1	..	6
Females	36	39	30	16	28	19	19	32	60	71	72	67	2	491	294	157	102	106	102	"	199	179	66	28	6	3	2	1	1	1	1	2	1	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	4	....	Dropsy of Abdomen	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	2	5	6	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	2	1	....	....	Dropsy of Bowels	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	1	..	2	..	..	..	4	1	2	5	....	....	" " "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1
Total	6	2	1	5	3	3	5	..	9	4	7	2	..	47	53	62	54	51	76	Dropsy of Brain	39	3	1	..	..	..	..	..	..	..	..	..	2	..	1	..	1
Males	2	..	1	4	1	1	1	..	7	2	4	1	..	24	27	31	31	24	46	" " "	20	1	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..

Females...	4	2	..	1	2	2	4	..	2	2	3	1	..	23	26	31	23	27	30	Dropsy of Brain	19	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Total	..	..	1	..	..	..	..	..	1	2	..	..	..	4	10	7	18	7	18	Dropsy of Chest	..	..	..	..	..	..	..	..	..	2	..	..	..	..	2	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	5	4	9	2	8	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	1	..	..	..	..	..	1	1	..	..	..	3	5	3	9	5	10	" " "	..	..	..	..	..	..	..	..	..	2	..	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	2	Dropsy, General	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	1	..	..	..	..	..	2	1	1	..	2	..	" "	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..
Total	4	5	9	9	6	2	7	8	6	6	7	6	..	75	52	51	68	71	69	Dropsy of Heart	5	..	1	1	3	2	3	3	5	6	5	7	10	3	8	11	2	..
Males	3	3	5	6	5	1	2	3	1	2	6	4	..	41	23	32	36	30	30	" " "	3	..	1	1	1	1	1	2	2	2	4	3	5	..	4	9	2	..
Females	1	2	4	3	1	1	5	5	5	4	1	2	..	34	29	19	32	41	39	" " "	2	..	..	..	2	1	2	1	3	4	1	4	5	3	4	2	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	1	..	Dropsy of Kidneys	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	1	..	" " "	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	2	Dropsy of Limbs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	Dropsy of Liver	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Dropsy of Spine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Dropsy, Uterine	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	14	14	19	17	20	23	18	29	23	19	25	28	..	249	224	226	215	226	243	Dropsy (Unspecified)	21	11	4	8	8	12	11	11	8	17	18	16	25	23	21	17	16	2
Males	6	7	6	8	8	9	9	19	11	5	12	14	..	114	98	101	105	104	112	" "	12	8	1	5	2	2	4	5	4	7	10	7	12	10	13	4	7	1
Females	8	7	13	9	12	14	9	10	12	14	13	14	..	135	126	125	110	122	131	" "	9	3	3	3	6	10	7	6	4	10	8	9	13	13	8	13	9	1
Total	1	..	1	2	..	2	5	4	2	2	4	2	..	25	16	30	17	21	16	Drowning, Accidental	..	2	5	2	5	3	1	3	2	1	..	..	..	..	..	..	..	1
Males	1	..	1	2	..	1	2	3	2	..	4	1	..	17	15	24	13	21	16	" "	..	1	3	1	4	2	..	3	1	1	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	1	3	1	..	2	..	1	..	8	1	6	4	..	..	" "	..	1	2	1	1	1	1	..	1	..	..	..	..	..	..	..	..	..
Total	1	2	7	8	6	10	21	13	10	5	3	5	1	92	87	142	91	95	91	Drowning	12	17	1	17	10	8	1	6	2	1	1	..	2	..	..	..	..	4
Males	1	2	5	7	6	10	18	12	9	4	3	5	1	83	77	124	79	84	83	"	7	15	1	16	10	7	1	6	2	1	1	..	2	..	..	..	..	4
Females	..	..	2	1	..	..	3	1	1	1	..	..	..	9	10	18	12	11	8	"	5	2	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..		..	..	..	1	..	..	..	..	..	1	2	....	....	....	....	Dysentery, Chronic	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..		..		..	..	..	..	..	..	..	....	3	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	2	2		4		20	59	39	13	8	4	..	157	216	195	162	304	319	Dysentery	126	4	..	..	..	2	1	1	2	2	4	1	..	3	3	2	5	1
Males	..	1	2		1		9	32	23	8	4	..	..	84	106	106	77	161	168	"	68	3	..	..	..	1	1	..	..	1	3	..	..	2	1	2	2	..
Females	..	1	..		3	2	11	27	16	5	4	4	..	73	110	89	85	143	150	"	58	1	..		..	1	..	1	2	1	1	1	..	1	2	..	3	1
Unknown	..	..	..		..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	2		1	2	1	2	..	2	1	1	..	14	9	15	18	16	21	Dyspepsia	1	..	1		2	..	..	..	1	3	1	2	..	3	..	..	..	..
Males	..	..	2		1	..	1	1	..	..	1	1	..	8	7	10	13	13	11	"	1	..	..		1	..	..	..	..	2	..	2	..	2	..	..	..	..
Females	..	..	..		..	2	..	1	..	2	..	..	..	6	2	5	5	3	10	"	....	..	1		1	..	..	..	1	1	1	..	..	1	..	..	..	..
Females	..	..	..			..	..	..	..	..	..	..	..	....	....	....	....	....	1	Earache	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..			..	..	..	..	..	..	..	..	....	....	1	....	....	....	Eating Dried Apples	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..			..	..	..	..	..	..	..	..	....	1	....	....	....	....	Eczema	....	..	..		..	..	..	..	..	..	..	..	..	..		..	..	..
Males	..	..	..			..	..	..	..	..	..		..	....	....	....	1	....	....	Elephantiasis in Limbs	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..			..	..	..	..	..	..		..	....	1	....	....	....	....	Embolism of Brain	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..			..	..	..	..	..	..		..	....	....	....	....	1	1	Embolism	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..		..	..	..	..	..	..		..	....	....	2	2	1	1	"	....	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..		..	..	..	..	..	..		..	1	1	....	....	....	....	Emphysema	....	..	..		..	..	..	..	..	..	1	..	..	..		..	..	..
Total	..	3	2	3		3	2	3	8	3	3		..	31	35	31	31	30	33	Epilepsy	8	4	..		3	4	5	1	2	..	1	1	..	1		1	..	..
Males	..	1	..	2		2	1	1	4	3	2		..	16	18	14	17	22	20	"	4	3	..		2	2	2	..	..	..	1	..	..	1		1	..	..
Females	..	2	2	1		1	1	2	4	..	1		..	15	17	17	14	8	13	"	4	1	..		1	2	3	1	2	..	..	1	..	..		..	..	..
Males	..	..	..	..		..	..	..	..	..				....	1	....	....	....	....	Eruption on Back	....	..	..		..	..	..	..	..	..	..	..	..	..		..	..	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Erysipelas in Bowels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Erysipelas in Throat	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	5	9	9	5	2	4	6	4	5	11	13	..	75	68	86	107	104	158	Erysipelas	24	1	1	3	1	1	2	3	9	4	3	..	4	6	7	4	2	..		
Males	2	4	2	3	2	2	3	5	3	2	5	4	..	37	31	55	64	56	96	"	9	..	1	3	..	..	1	2	6	2	2	..	2	3	3	2	1	..		
Females	..	1	7	6	3	..	1	1	1	3	6	9	..	38	37	31	43	48	62	"	15	1	..	..	1	1	1	1	3	2	1	..	2	3	4	2	1	..		
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..	Explosion of Boiler	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Explosion of Kerosene	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	11	9	Explosion	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Exposure in Army	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Males	..	..	..	..	..	..	..	..	..	1	1	..	..	2	4	1	..	1	1	Exposure	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..		
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Total	1	3	4	4	3	..	1	2	1	..	3	3	..	25	22	17	22	19	29	Falling Tree	..	1	2	..	6	1	2	..	2	..	3	1	1	1	2	..	..	3		
Males	1	3	4	4	3	..	1	..	..	..	3	3	..	22	22	17	21	18	29	" "	..	1	1	..	6	1	1	..	1	..	3	1	1	1	2	..	..	3		
Females	..	..	..	..	..	..	..	2	1	..	..	..	..	3	..	..	1	1	..	" "	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..		
Total	..	2	4	1	5	2	3	4	1	6	4	2	..	44	39	52	45	77	51	Fever, Bilious	8	2	3	4	2	1	..	2	4	2	1	5	2	2	4	1	1	..		
Males	..	..	4	1	2	1	..	2	4	2	1	1	..	18	18	27	23	38	28	" "	5	1	..	2	2	..	..	1	1	2	..	1	..	..	2	..	1	..		
Females	..	2	..	..	3	1	3	2	7	4	3	1	..	26	21	25	22	39	23	" "	3	1	3	2	..	1	..	1	3	..	1	4	2	2	2	1	..	..		
Total	1	..	..	1	..	..	..	..	1	..	..	1	..	4	4	1	1	3	1	Fever, Catarrhal	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	1	..	..		
Males	..	..	..	1	..	..	..	..	..	..	..	1	..	2	3	1	..	3	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..		
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	1	" "	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..		
Unknown	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Total	..	..	..	..	1	..	..	..	1	..	..	..	..	2	2	7	1	3	5	Fever, Congestive	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	2	4	..	2	..	" "	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	3	..	1	5	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1		

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Unknown.	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Fever, Congestive	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	1	....	Fever, Continued	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	4	2	..	1	..	..	8	2	5	4	2	3	Fever, Gastric	1	..	..	1	1	1	..	1	..	..	..	..	1	..	2	..	..	..
Males	..	..	..	..	..	..	..	1	1	..	..	..	..	2	....	2	2	2	1	" "	....	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..
Females	1	..	..	..	..	..	..	3	1	..	1	..	..	6	2	3	2	....	2	" "	1	..	..	1	1	..	..	1	..	..	..	..	..	..	2	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Fever, Hepatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	4	3	2	..	3	3	10	5	5	4	6	1	47	53	36	46	62	73	Fever, Intermittent	20	4	..	2	..	2	1	1	1	1	1	3	2	1	1	4	2	1
Males	1	1	2	1	..	1	2	4	3	3	2	3	1	24	30	16	17	24	33	" "	7	4	..	1	..	..	1	1	1	..	1	2	1	1	..	2	1	1
Females	..	3	1	1	..	2	1	6	2	2	2	3	..	23	23	20	29	38	40	" "	13	..	..	1	..	2	..	..	..	1	..	1	1	..	1	2	1	..
Total	..	..	..	..	1	..	..	..	2	1	..	1	..	5	7	4	4	....	....	Fever, Malarial	1	..	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	4	1	....	....	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	1	1	..	1	..	4	3	3	4	....	....	" "	....	..	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	2	....	Fever, Milk	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	6	2	2	3	Fever, Nervous	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	3	3	3	1	2	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	1	1	2	1	1	..	1	..	..	9	6	13	4	4	12	Fever, Remittent	2	2	..	1	1	..	..	..	..	..	2	..	..	..	1	..	..	..
Males	..	..	..	..	..	..	1	..	1	..	1	..	..	4	4	7	4	3	5	" "	....	2	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Females	..	1	..	..	1	1	1	1	..	..	..	..	..	5	2	6	....	1	7	" "	2	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	..	1	..	..	2	1	..	..	..	..	1	..	..	6	4	7	6	9	7	Fever, Rheumatic	....	1	2	1	..	..	..	..	..	..	..	2	..	..	..	..	..	..
Males	..	1	..	..	1	..	..	..	..	..	..	..	..	2	2	3	3	6	3	" "	....	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..

Females	..	..	1	..	..	1	1	..	..	..	..		..	4	2	4	3	3	4	" "	....	1	2	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..		..	..	....	....	....	..	1	Fever, Scrofulous	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..		..	..	....	....	1	..	....	Fever, Septic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	3	5	6	8	4	2	9	11	4	3	5	..	63	73	73	74	89	428	Fever, Spinal	36	8	4	2	2	2	3	2	..	..	..	1	1	1	..	..	..	1
Males	1	1	..	1	3	2	..	5	6	3	2		..	25	35	35	40	43	237	" "	13	2	3	1	1	2	1	..	..	..	..	..	1	..	..	..	1
Females	2	2	5	5	5	2	2	4	5	1	1	4	..	38	38	38	34	46	191	" "	23	6	1	1	1	..	2	2	..	..	..	1	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..		..	..	2	1	1	5	36	Fever, Spotted	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..		..	..	2	....	3	1	30	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	11	13	16	14	21	13	21	42	54	52	41	31	..	329	446	426	433	611	678	Fever, Typhoid	37	38	32	42	21	20	17	17	17	13	16	12	9	17	6	7	2	6
Males	3	10	7	7	14	9	9	22	28	25	25	17	..	176	231	233	232	317	385	" "	20	23	14	19	12	13	12	9	11	7	8	6	2	9	4	4	1	2
Females	8	3	9	7	7	4	12	20	26	27	16	14	..	153	212	193	201	294	293	" "	17	15	18	23	9	7	5	8	6	6	8	6	7	8	2	3	1	4
Total	..	1	..	1	..	1	..	..	8	4	3		..	18	4	6	....	..	7	Fever, Typho-malarial	....	1	1	3	2	3	2	3	..	..	1	..	2	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	3	1	..		..	5	1	1	....	..	2	" " "	....	..	1	1	1	1	..	..	..	..	1	..	..	..	..	..	..	..
Females	..	1	..	..	..	1	..	..	5	3	3		..	13	3	5	....	..	5	" " "	....	1	..	2	1	2	2	3	..	..	..	..	2	..	..	..	..	..
Total	..	..	1	..	..	..	..	1	1	1	..		..	5	29	11	14	16	16	Fever, Typhus	1	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	1	..		..	2	13	7	6	12	4	" "	....	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	1	1	..	..		..	3	16	4	8	4	12	" "	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..		..	..	....	1	....	..	....	Fever, Urinary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	1	..		..	2	....	1	1	..	....	Fever, Yellow	....	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Total	1	2	3	6	3	6	5	6	14	7	6	5	..	64	56	96	75	97	133	Fever (Unspecified)	32	3	2	3	1	3	2	3	1	3	2	2	2	1	2	1	..	1
Males	1	1	2	4	2	3	1	4	5	5	3		..	32	24	52	30	51	68	" "	17	1	1	..	1	2	1	1	1	2	..	2	1	1	1	..	..	..
Females	..	1	1	2	1	3	4	2	8	2	3		..	31	32	44	45	46	65	" "	14	2	1	3	..	1	1	2	..	1	2	..	1	..	1	1	..	1
Unknown	..	..	..	..	..	..	..	..	1	..	..		..	1	....	..	....	..	....	" "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..		..	..	....	1	....	..	....	Fistula, Recto-cystic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..		..	..	....	..	1	1	....	Fistula	....	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..		..	1	....	..	....	..	....	"	1	..	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..		..	..	....	..	....	..	1	Fits, Rheumatic	....	..	..				..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																		
	January.	February.	March	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	Fits, Spinal	..	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	3		3	11	11	5	9	13	14	5	8	1	95	133	90	94	114	150	Fits (See Convulsions)	71	1	1		5	4	2	1	2	..	..		1	2	..	1	..	1
Males	..	3	8	2	8	4	3	5	9	7	1	4	..	54	75	51	54	65	94	" " "	42	..	..		3	2		..	2	..	..		1	..	..	..	..	1
Females	..	..	4	1	3	7	2	4	4	7	4	4	1	41	58	39	40	49	56	" " "	29	1	1		2	2		1	..	..	..		..	2	..	1	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Foot, Inflam. of	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Foul Air in Well	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	"Found Hanging"	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	Fracture of Arm	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Fracture of Clavicle	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	Fracture of Hip	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	..	3	3	1	..	2	" " "	..	..	..		..	..	..	..	..	..	..		..	..	..	..	..	..
Total	..	..		..	..	..	..	2	..	1	1	..	..	4	2	3	4	4	2	Fracture of Leg	..	..	..		..	..	..	1	..	..	..		1	..	2	..	..	..
Males	..	..		..	..	..	..	2	..	..	1	..	..	3	2	2	4	3	2	" " "	..	..	..		..	..	..	..	..	..	..		1	..	2	..	..	..
Females	..	..		..	..	..	..	..	..	1	..	..	..	1	..	1	..	1	..	" " "	..	..			..	..	..	1	..	..	..		..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Fracture of Limb	..	..			..	..	..	..	..	..	..		..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	" " "	..	..			..	..	..	..	..	..			..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..		..	..	..	1	4	..	1	..	..	Fracture of Neck	..	..			..	..	..	..	..	..			..		..	..	..	..
Males	..	..		..	..	..	..	..			..	..	..	..	1	..	..	..	..	Fracture of Pelvis	..	..			..	..	..	..	..	..			..		..	..	..	..
Males	..	..		1	..	..	..	..				1	..	2	..	..	..	..	..	Fracture of Ribs	..	..			..	..	..	..	..	..			..		..	1	1	..
Males	..	..		..	..	..	..	1				2	..	3	1	3	3	5	1	Fracture of Skull	1	..			..	1		..	..	..			..		..	..	..	..
Females	..	..		..	..	..	..	..				..	..	..	..	..	1	..	..	" " "	..	..			..	..	..		..	..			..		..	..	..	..

Males	..	..	..	1	..	..	..	1	..	..	1	..	..	3	....	....	1	1	2	Fracture of Spine	1	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Fracture of Thigh	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	1	....	Fracture	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	1	2	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	1	..	..	..	..	..	..	..	..	..	..	2	1	4	4	4	2	Freezing	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	..	....	....	....	Fright	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Fungus Hæmatodes	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Gall, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Gall-stone, Passage of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	1	....	3	....	Gall-stone	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	1	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	1	....	....	....	Gangrene, Senile	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	2	2	1	..	1	..	2	2	..	10	12	6	4	7	8	Gangrene	....	..	..	1	..	..	1	..	..	..	1	1	..	..	1	4	1	..
Males	..	..	..	..	1	2	1	..	1	..	2	1	..	8	9	5	3	5	4	"	....	..	..	1	..	..	1	..	..	..	1	1	..	..	..	4	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	1	..	2	3	1	1	2	4	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Gastralgia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Glanders	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"Glands"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Goitre	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Gonorrhea	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Gout, "Rheumatic"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Gout	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over	Unknown.
Total	3	..	4	..	..	..	1	5	3	3	4	..	..	23	16	33	21	19	25	Gravel	2	2	..	..	..	..	..	..	..	..	1	1	4	6	3	3	1	..
Males	3	.	4	..	..	..	.	5	2	3	4	..	..	21	16	31	20	18	21	"	2	2	..	..	..	..	..	..	..	..	1	1	4	5	2	3	1	..
Females	..	..	..	..	..	..	1	..	1	..	..	..	..	2	....	2	1	1	4	"	....	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Total	1	4	3	..	1	1	1	3	1	1	..	..	1	17	5	19	11	18	7	Gun-shot	....	..	..	4	3	3	1	3	1	1	..	1	..	..	..	..	..	..
Males	1	3	3	..	1	1	1	2	1	1	..	..	1	15	5	16	11	18	6	"	....	..	..	3	3	3	1	2	1	1	..	1	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	1	..	..	..	..	..	2	....	3	....	....	1	"	....	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	6	2	1	4	2	3	1	4	2	..	25	17	15	17	9	13	Hæmoptysis	1	..	..	3	4	1	4	2	2	2	1	..	1	3	..	..	..	1
Males	..	..	..	3	2	..	4	2	2	..	3	2	..	18	13	11	13	5	5	"	1	..	..	2	2	1	3	1	2	2	1	..	..	3	..	..	..	..
Females	..	..	..	3	..	1	..	..	1	1	1	..	..	7	4	4	4	4	8	"	....	..	..	1	2	..	1	1	..	..	..	..	1	..	..	..	..	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Hay Fever	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	2	Headache	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	2	..	3	2	....	....	....	1	Head Disease	1	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	1	..	..	1	..	..	..	4	1	1	....	2	1	Head, Inflam. of	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	....	1	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	1	..	..	1	..	..	..	3	....	....	....	1	....	" " "	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Head, Injury to	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Head, Neuralgia in	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Head, Rupture in	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	....	....	....	....	Heart Clot	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Heart, Cramps of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	23	27	17	26	22	28	33	27	36	21	35	36	1	332	367	320	289	320	315	Heart Disease	20		13	9	12	9	18	17	18	21	25	24	29	37	34	30	8	3
Males	8	13	9	20	14	12	19	15	22	12	21	22	..	187	194	185	154	175	173	" "	9		6	6	6	2	10	11	10	9	13	11	21	25	19	19	6	2
Females	15	14	8	6	8	16	14	12	14	9	14	14	1	145	172	135	135	145	142	" "	11	3	7	3	6	7	8	6	8	12	12	13	8	12	15	11	2	1
Unknown	..	..	..	..	..		..	..	..	..	..	..	..	....	1	....	.	....	....	" "	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..	..	..	..	..	..	..	....	....	....	.	1	....	Heart Disease, Organic	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	2	..	1	1	..	..	..	..	5	7	2	4	6	3	Heart, Enlargement of	2	.	..	..	1	.	..		..	1	..	..	1	..	..	..	..	..
Males	..	..	..	..	..		..	1	1	..	..	..	..	3	7	1	2	2	3	" " "	....	.	..	..	1	.	..		..	1	..	..	1	..	..	..	..	..
Females	..	1	..	..	..		..	..	..	..	..	..	..	2	....	1	2	4	....	" " "	2	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..
Total	..	..	1	1	..	..	..	..	1	..	..	..	..	3	2	....	.	....	....	Heart, Fatty Degen. of	....	.	..	..	..	.	..		..	..	..	..	1	..	1	..	1	..
Males	..	..	..	1	..	..	..	..	..	..	..	..	..	1	2	....	.	....	....	" " " "	....	.	..	..	..	.	..		..	..	..	..	1	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	1	..	..	..	..	2	....	....	.	....	....	" " " "	....	.	..	..	..	.	..		..	..	..	..	..	..	1	..	1	..
Total	..	..	..	..	..	1	..	..	..	..	1	..	..	2	....	....	.	....	....	Heart, Hypertrophy of	....	.	..	..	..	.	..		..	..	..	..	..	1	..	1	..	..
Males	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	.	....	....	" " "	....	.	..	..	..	.	..		..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	.	....	....	" " "	....	.	..	..	..	.	..		..	..	..	..	..	..	..	1	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	.	2	....	Heart, Inflam. of	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	1	..	..	..	2	1	....	.	3	....	" " "	1	.	1	..	..	.	..		..	..	..	..	..	.	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	.	....	....	Heart, Malfor. of	1	.	..	..	..	.	..		..	..	..	..	.	..	..	..	..	..
Total	1	..	..	..	..	1	..	..	..	..	2	1	..	5	9	9	5	1	2	Heart, Neuralgia of	....	.	..	..	1	.	..		..	..	..	..	1	1	..	..	2	..
Males	1	..	..	..	..	1	..	..	..	..	..	1	..	3	3	5	3	1	2	" " "	....	.	..	..	..	.	..		..	..	..	..	..	1	..	..	2	..
Females	..	..	..	..	..	..	..	..	..	..	2	..	..	2	6	4	2	....	....	" " "	....	.	..	..	1	.	..		..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	2	1	1	1	1	Heart, Ossifi. of	....	.	..	..	1	.	..		..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	....	....	....	.	1	....	" " "	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	1	....	3	Heart, Palpitation of	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	2	4	1	" " "	....	.	..	..	..	.	..		..	..	..	..	..	..	..	..	..	..
Total	..	1	1	..	..	2	..	2	..	4	..	2	..	12	3	2	2	....	1	Heart, Paralysis of	....		..	1	..	.	1		..	..	2	1	2	..	1	2	1	..
Males	..	..	1	..	..	2	..	2	..	1	..	2	..	8	3	2	1	....	....	" " "	....		..	1	..	.	..		..	..	1	1	1	..	1	1	1	..
Females	..	1	..	..	..	..	..	..	..	3	..	..	..	4	....	....	1	....	1	" " "	....	.	..	..	..	.	1		..	..	1	..	1	..	..	1	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..				1	..	1	....	....		....	.	Heart, Rupture of	..	..	..	..	..	1		..	..	..	..				..	..	..
Females	..	..	..	..	..	..	..	..				..	..	....	....	1		....	.	" " "	..	..	..	..		.		..	..	..					..	..	..
Males	..	..	..	..	..	..	..	..				..	..	....	1	2	2	1	.	Heart, Valvular Dis. of	..	..	..	..		.		..	..	..					..	..	..
Females	..	..	..	..	..	..	..	..				..	..	3	....	....		....	1	" " " "	..	..	..	..		.		..	1	..					..	..	..
Total	..	..	1	..	..	1	..	..				2	..	5	5	3	3	6	6	Hemorrhage of Bowels	..	..	..	..		.		1	..	..				1	1	..
Males	..	..	1	..	..	1	..	..				1	..	4	4	3	2	5	3	" " "	..	..	..	..		.		1	..	..				1	..	..	..
Females	..	..	..	..	..	..	..	..				1	..	1	1	....		1	3	" " "	..	..	..	..		.		..	..	..				..	1	..	..
Total	1	..	..	..	..	..	..	1				1	..	3	....	....	5	....	.	Hemorrhage, Cerebral	..	..	..	1				..	..	..				..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..		1	..	2	....	....	5	....	.	" "	..	..	..	1		.		..	..	..				..	..	..	..
Females	1	..	..	..	..	..	..	.	..	..		..	..	1	....	....		....	.	" "	..	..	..	..		.		..	..	..				..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..		..	..	....	1	....		....	.	Hemorrhage of Kidneys	..	..	..	..		.		..	..	..				..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..		..	..	....	....	....		1	.	Hemorrhage of Liver	..	..						..	..	..		..	..		..	..	..
Total	..	..	1	..	..	..	1	1	1	..		..	..	4	....	3	2	....	1	Hemorrhage from Nose	1	1						..	..	..		..	..		..	..	..
Males	..	..	1	..	..	..	1	1	..	..		..	..	3	....	2		....	.	" " "	..	1						..	..	..		..	..		..	..	..
Females	..	..	..	..	..	..	..	..	1	..		..	..	1	....	1		....	1	" " "	1	..						..	..	..		..	..		..	..	..
Females	..	..	..	..	..	..	..	..	..	..		..	..	....	....	....	2	....	.	Hemorrhage, Puerperal	..	..						..	..	..		..	..		..	..	..
Males	..	..	..	..	..	..	..	..	..	..		..	..	....	....	1		....	.	Hemorrhage, Spinal	..	..						..	..	..		..	..		..	..	..
Males	..	1	..	1	..	..	..	..	..	..		..	..	2	1	1		2	2	Hemorrhage of Stomach	..	..								..		..	1		..	..	..
Females	..	..	..	..	..	..	..	..	..	..		..	..	....	3	1		....	.	" " "	..	..								..		..	..		..	..	..
Males	..	..	1	..	..	..	..	..	..	1		..	..	2	1	1		....	.	Hemorrhage, Umbilical	..	..								..		..	..		..	..	..
Females	..	..	..	..	..	..	..	..	..	..		..	..	....	1	....		....	.	" "	..	..								..		..	..		..	..	..

Females	..	..	..	..	..	1	..	..	..	..	..	1	..	2	4	6	3	6	1	Hemorrhage, Uterine	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..
Total	..	2	2	1	..	1	2	..	2	..	2	..	..	12	18	13	12	5	27	Hemorrhage	4	..	..	1	..	1	..	3	..	..	3	..	..	..	..	..	..	..
Males	..	1	1	1	..	1	..	..	2	..	..	..	..	7	9	9	9	4	13	"	3	..	..	1	..	1	..	..	..	..	2	..	..	..	..	..	..	..
Females	..	1	1	..	..	..	..	..	..	..	2	..	..	5	9	4	3	1	14	"	1	..	..	..	..	..	..	3	..	..	1	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	Hernia, Abdominal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Hernia of Bowels	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Hernia, Irreducible Scrotal	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Hernia of Lungs	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	..	1	..	..	Hernia, Umbilical	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	2	2	2	1	2	2	2	..	..	..	16	17	14	25	11	20	Hernia (Unspecified) *	5	..	..	1	..	1	..	..	..	2	..	..	1	4	1	..	1	..
Males	1	..	..	1	2	..	1	1	2	2	..	..	..	10	13	10	18	7	14	" "	3	..	..	1	..	1	..	..	..	1	..	..	1	2	..	..	1	..
Females	..	..	1	1	..	2	..	1	..	..	..	..	..	6	4	4	7	4	6	" "	2	..	..	..	..	..	..	..	..	..	1	..	..	..	2	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Hiccough	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	1	2	1	..	1	..	..	..	4	..	..	10	4	7	9	3	3	Hip Disease	..	4	2	2	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	1	..	1	1	..	1	..	..	..	3	..	..	7	3	7	3	2	3	" "	..	3	1	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	1	..	..	..	..	..	..	1	..	..	3	1	..	6	1	..	" "	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Hip, Dislocation of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Hip, Injury of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Hip, Ulcerated	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	Hives	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	..	..	..	..	1	..	..	..	..	2	4	3	7	5	8	Homicide	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	4	3	7	3	7	"	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	2	1	"	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	"Hung Himself"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

* Includes strangulated hernia.

TABLE XVII.—CONTINUED—.*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Hydatis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	1	....	Hydrocele	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Hydrocephalus, Congenital	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	..	1	..	2	..	..	..	2	..	..	6	6	5	4	6	4	Hydrocephalus	6	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	1	..	1	..	..	..	1	..	..	4	5	3	3	3	2	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	..	1	..	..	2	1	2	1	3	2	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Hydrophobia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	2	....	Hysteria	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	1	Iced-water, Drinking of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Icterus, Infantum	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Impacted Fæces	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..	..	..	..	1	1	..	1	..	..	..	3	....	4	....	....	2	Inanition	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	1	..	..	1	..	..	..	2	....	2	....	....	1	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	....	2	....	....	1	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	2	..	..	..	2	2	2	3	2	2	Indigestion	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	1	3	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	3	....	2	....	Infanticide	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	3	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	7	..	3	2	2	2	3	1	3	4	4	..	31	24	36	44	25	56	Infantile	31	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	3	..	1	2	1	2	2	..	2	3	2	..	18	15	19	27	16	33	"	18	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females...	..		..	2	..	1	1	1	1	1	2	13	9	17	16	9	23	Infantile	13	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown.	..		..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	..	2	6	5	2	4	2	4	3	3	1	32	39	28	37	36	33	Inflammation	11	1	2	4	2	3	2	2	..	1	1	..	..	..	2	..	1	..
Males.....	..		2	2	1	1	..	1	1	2	..	10	21	10	22	20	15	"	4	..	..	2	1	..	..	..	..	1	1	..	..	..	1	..	..	..
Females..	..	2	4	3	1	3	2	3	2	1	1	22	18	18	15	16	18	"	7	1	2	2	1	3	2	2	..	..	..	..	..	..	1	..	1	..
Males.....	..		..	..	2	..	..	..	..	1	..	3	....	..	4	1	10	Influenza.....*	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females..	..		..	..	..	..	..	..	..	..	..	..	1	..	2	1	2	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females..	..		..	..	..	..	..	..	..	..	1	1	....	..	..	....	....	Inhaling Steam from Tea-kettle..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males.....	..		..	..	..	..	..	..	..	..	..	..	1	..	..	....	....	Injured Limb.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males.....	..		..	..	..	..	..	..	..	..	..	..	1	..	..	....	....	Injury, Internal.....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males.....	..		..	..	..	..	..	..	..	..	..	..	1	..	..	....	....	Injury	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females..	..		..	..	..	..	..	..	..	..	..	..	....	1	..	..	....	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total.....	..		2	..	..	1	1	..	1	1	2	11	17	13	8	7	12	Insanity	..	..	..	..	2	..	..	2	3	..	..	..	2	1	1	..	..	..
Males.....	..		2	..	..	..	1	..	1	..	1	8	10	7	4	1	4	"	..	..	..	..	1	..	..	2	2	..	..	..	1	1	1	..	..	..
Females..	..		..	..	..	1	..	..	..	1	1	3	7	6	4	6	8	"	..	..	..	..	1	..	..	..	1	..	..	..	1	..	..	..	..	..
Total.	..		..	2	1	2	..	..	..	..	..	6	6	8	9	15	11	Intemperance.....	..	..	..	..	..	..	..	2	1	1	1	1	..	..	..	..	..	..
Males	..		..	2	..	..	..	..	..	..	..	3	6	7	8	13	11	"	..	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..
Females..	..		..	..	1	2	..	..	..	..	..	3	....	1	1	2	....	"	..	..	..	..	..	..	..	1	1	..	..	1	..	..	..	..	..	..
Total.....	..	4	3	..	..	1	4	5	2	1	2	22	16	23	14	16	16	Jaundice.....	6	2	..	..	..	3	..	..	2	1	1	2	2	1	1	..	..	1
Males.....	..	2	2	..	..	1	3	3	1	1	1	14	11	15	7	7	7	"	4	..	..	..	..	2	..	..	1	1	1	2	1	1	1	..	..	..
Females..	..		1	..	..	..	1	2	1	..	1	8	5	8	7	9	9	"	2	2	..	..	..	1	..	..	1	..	..	..	1	..	..	..	..	..	1
Total.....	..	5	2	3	3	2	2	5	4	4	1	32	35	22	11	14	16	Kidney, Bright's Disease of.....	1	1	..	3	1	1	2	2	3	2	..	3	2	3	4	3	1	..
Males.....	..	4	2	3	2	2	1	3	4	4	..	26	23	18	10	9	14	" " " "	1	1	..	2	..	1	2	1	1	2	..	3	2	2	4	3	1	..
Females...	..		..	..	1	..	1	2	..	..	1	6	12	4	1	5	2	" " " "	..	..	..	1	1	..	..	1	2	..	..	..	..	1	..	..	..	..
Total.....	2	9	2	2	7	10	4	6	6	4	7	66	42	46	28	30	34	Kidney Disease.....	3	..	4	3	2	1	3	4	1	2	1	8	5	8	12	8	1	..
Males.....	2		1	2	5	8	4	4	5	3	5	50	35	37	25	20	25	" "	1	..	1	3	2	1	1	1	..	2	1	7	4	8	10	8	..	..

* Includes 2 Epizootic.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	2	1	..	2	2	3	..	2	1	1	2	..	16	7	9	3	10	9	Kidney Disease	2	..	3	..	..	..	2	3	1	..	..	1	1	..	2	..	1	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Kidneys, Enlargement of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	1	2	2	2	..	1	2	..	2	..	13	8	6	11	12	11	Kidneys, Inflam. of	1	2	..	..	..	..	..	..	..	1	..	1	2	4	1	1	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	2	4	1	4	4	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	Kidneys, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....	1	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Kine-pox	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Knee Joint, Dis. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Knee Joint, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	" " " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	1	....	Laryngitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females		..	..	1	..	..	..	..	..	..	1	..	..	2	....	....	....	....	2	"	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Lead Poison	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	1	Leg, Diseased	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	1	1	Leg, Inflam. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Leg, Loss of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total		..	..	..	..	..	..	1	..	..	1	..	..	2	....	....	....	....	2	Leg, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..
Males		..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	....	....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Females		..	..	..	..	..	..	..	..	..	1	..	..	1	....	....	....	....	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	Leprosy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Lethargy	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	..	..	1	1	1	1	2	1	2	1	..	..	..	10	5	6	3	6	5	Lightning	1	1	1	..	1	1	2	1	1	..	..	..	1	..	..	..	..	..
Males	..	..	1	1	..	1	2	..	2	1	..	..	..	8	3	6	2	5	2	"	....	1	..	..	1	1	2	1	1	..	..	..	1	..	..	..	..	..
Females	..	..	..	..	1	..	..	1	..	..	..	..	..	2	2	....	1	1	3	"	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	1	..	....	Limb, Ulcerated	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	..	....	Liquor, Effects of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	1	..	..	..	2	..	1	2	2	..	10	6	6	5	7	5	Liver, Abscess of	....	..	..	1	..	..	1	1	1	..	4	1	1	..	..	..	..	..
Males	1	..	..	1	..	..	..	1	..	..	..	..	..	3	4	4	3	2	4	" " "	....	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..
Females	..	..	1	..	..	..	..	1	..	1	2	2	..	7	2	2	2	5	1	" " "	....	..	..	1	..	..	1	..	1	..	3	1	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	1	..	..	..	..	..	2	..	....	....	..	....	Liver, Consumption of	....	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..
Total	2	7	3	9	6	6	7	11	9	9	8	9	1	87	77	62	78	76	93	Liver Disease	15	..	1	..	3	5	3	5	6	4	15	7	1	7	4	..	1	..
Males	1	4	2	..	3	3	3	5	4	5	6	7	..	43	45	42	42	40	49	" "	5	..	1	..	2	3	1	4	3	2	4	7	8	2	1	..	..	..
Females	1	3	1	9	3	3	4	6	5	4	2	2	1	44	32	20	36	36	44	" "	10	..	..	..	1	2	2	1	3	2	11	..	3	5	3	..	1	..
Total	..	..	1	..	1	2	1	..	..	..	..	..	..	5	11	12	6	6	4	Liver, Enlarg't of	2	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1
Males	..	..	1	..	..	2	..	..	..	..	..	..	..	3	6	7	3	4	2	" " "	....	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1
Females	..	..	..	..	1	..	1	..	..	..	..	..	..	2	5	5	3	2	2	" " "	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	....	....	..	1	Liver, Fatty Degen. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Total	..	1	..	1	2	..	1	1	2	1	1	..	..	10	6	7	7	11	10	Liver, Inflam. of	1	3	..	..	..	..	..	1	..	1	1	..	2	1	..	..	..	..
Males	..	1	..	1	1	..	1	..	1	..	1	..	..	6	4	2	2	7	5	" " "	....	3	..	..	..	..	..	..	..	..	..	..	2	1	..	..	..	..
Females	..	..	..	..	1	..	..	1	1	1	..	..	..	4	2	5	5	4	5	" " "	1	..	..	..	..	..	..	1	..	1	1	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	....	....	..	....	Liver, Ossification of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..		..	..	..	..	..	..	..	..	..	....	..	1	....	..	....	Liver, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..		..	..	..	..	..	..	..	..	..	....	..	....	....	..	1	Liver, Scirrhus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..		..	..	..	..	..	..	..	..	..	....	..	....	1	..	....	Liver, Tumor on	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..		..	..	..	..	..	..	..	..	..	....	..	1	....	..	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	..		..	..	..	1	..	1	1	1	..	4	2	4	1	..	1	Liver, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	..	..	1	2	1	..	..
Males	..	..	..		..	..	..	1	..	1	1	..	..	3	2	2	....	..	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	1	2	..	..	..
Females	..	..	..		..	..	..	..	..	..	..	1	..	1	..	2	1	..	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.													Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February	March.	April.	May.	June.	July	August.	September	October.	Novembe	December.	Unknown.	1878.	1877	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..			..	..	..	..		..	..	..	..	..	....	....	1		....	....	Loss of Eye	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1			..	1	..	..		..	..	3	1	..	6	3	4	2	4	2	Lungs, Abscess of	1	..	..	..	1	..	..	..	..	1	1	..	1	..	1	..	..	..
Males	..			..	1	..	..		..	..	2	..	..	3	1	3	2	3	2	" " "	....	..	..	..	1	..	..	..	..	1	..	..	1	..	..	..	..	..
Females	1			..	..	..	..		..	..	1	1	..	3	2	1		1	....	" " "	1	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Males	..			..	..	..	..		..	..	..	..	..	....	....	....		....	1	Lungs, Apoplexy of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..			..	..	..	..		..	..	..	..	..	....	....	....		....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	13	13	15	12	15	12	11	21	11	12	16	29	..	180	137	192	193	205	173	Lung Disease	78	7	5	4	5	..	7	3	4	7	4	9	7	15	7	7	7	4
Males	10	8		7	6	6	9	12	7	5	8	13	..	97	82	110	121	126	97	" "	44	2	3	2	3	..	3	1	1	3	3	4	3	10	3	5	5	2
Females	3	5		5	9	6	2	9	4	7	8	16	..	83	57	82	72	79	76	" "	34	5	2	2	2	..	4	2	3	4	1	5	4	5	4	2	2	2
Females	..			..	..	..	..		..	..	..	..	..	....	....	1		....	....	Lungs, Neuralgia of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	.			..	..	..	..		..	..	..	..	..	....	....	1		....	....	Lungs, Paralysis of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	.			..	..	1	..		..	..	..	..	..	1	....	....		1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Total	.			..	..	..	..		..	1	..	2	..	4	....	2		....	....	Lungs, Ulcer. of	1	..	..	..	..	..	..	..	1	..	1	..	1	..	..	..	..	..
Males	.				..	..	..		..	1	..	1	..	3	....	1		....	....	" " "	1	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Females	.				..	..	..		..	..	..	1	..	1	....	1		....	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Females	.				..	..	..		..	..	..	..	..	....	....	....		1	....	Lupus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	2			2	..	..		1	..	2	..	..	11	5	9	4	3	6	Malformation	8	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Males	1	2			1	..	..		..	..	2	..	..	7	4	7	2	....	4	"	4	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2
Females	1				1	..	..	1		..	..	..	..	4	1	2	2	3	2	"	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	.				..	..	..	.		..	.	..	..	....	....	....		1	....	Mania, Puerperal	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	.				..	..	..	.		..			..		1	5		....	1	Mania	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females	..	..	..	..	..		..		..	..	1	1	..	2	..	..	2	3	1	Mania	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..
Total	..	..	..	2	..		..		3	..	..	1	..	6	11	8	3	8	10	Marasmus	5	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..		..		..	..	..	..	..	1	6	5	1	3	6	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	1	..		..		3	..	..	1	..	5	5	3	2	5	4	"	4	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	1	..	..	..	..	Mastoid Bone, Dis. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	3	4	1		..		1	2	..	2	..	16	62	18	134	46	245	Measles	11	2	..	1	1	..	..	1	..	..	..	..	..	..	..	..
Males	1	1	2	2	..		..		1	..	..	..	..	8	33	56	61	21	109	"	6	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	1	2	1		..		..	2	..	2	..	8	29	62	73	25	136	"	5	2	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..		..		..	..	..	..	..	..	..	2	..	..	..	Melancholia	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	..	1	..	..	2	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..		..		..	..	..	..	..	..	..	..	..	..	1	Melanosis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	1	..	..		..		..	..	..	..	..	1	2	..	..	..	..	Meningitis, Cerebral	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	..	..	..	2	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	4	..	1		..		..	..	1	..	..	8	9	14	36	33	115	Meningitis, Cerebro-spinal	4	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	2	..	1		..		..	..	1	..	..	5	1	4	20	14	89	" " "	3	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	2	..	..		..		..	..	..	..	..	3	8	10	16	19	56	" " "	1	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Total	2	2	4	1	3	2	3	2	2	3	3	1	..	28	39	30	38	50	166	Meningitis, Spinal	19	3	2	..	..	..	1	..	..	1	..	1	..	..	..	1
Males	2	2	..	1	2		2		1	2	2	1	..	15	20	10	21	28	94	" "	11	1	1	..	..	..	1	..	..	..	1	..	..	..	..	..
Females	..	..	4	..	1	2	1	2	1	1	1	..	..	13	19	20	17	22	72	" "	8	2	1	..	..	..	..	..	..	1	..	..	..	..	..	1
Males	..	1	..	..	..		..		..	..	..	..	..	1	1	1	2	1	..	Meningitis, Tubercular	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	..	..	..	1	..	" "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	1	2	..		1		1	..	1	1	..	10	11	5	14	5	7	Meningitis	7	1	..	1	..	..	..	..	..	1	..	..	..	..	..	..
Males	..	..	1	1	..		1		1	..	1	1	..	7	7	4	7	3	5	"	5	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Females	..	..	..	1	..		..	2	..	..	..	..	..	3	4	1	7	2	2	"	2	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	..	..	1	..	..	Menstruation, Excessive	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		1		..	1	..	..	..	2	..	..	..	..	..	Menstruation, Obstructed	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..		..		..	..	..	..	..	..	..	1	1	..	..	Metro-peritonitis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Midwifery, Bad	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Milk Leg (Phleg. dolens)	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	1	1	..	..	..	..	..	2	3	2	3	1	1	" " " "	....	..	..	..	..	..	..	1	..	..	..	..	..	1	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	.	....	....	1	....	....	....	Mistake in Medicine	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	2	....	....	Mortification	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	..	..	1	..	..	1	..	1	..	1	1	..	5	2	7	4	5	4	Mouth Disease	3	..	..	..	..	..	..	..	1	1	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	4	2	3	2	" "	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	....	....	..
Females	..	..	..	1	..	..	1	..	1	..	1	..	..	4	2	3	2	2	2	" "	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	1	..	1	....	1	....	....	....	Mouth, Nursing Sore	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	1	....	1	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Mouth, Ulcer. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	..	..	..	1	1	..	..	1	..	..	..	..	3	4	6	1	7	5	Mumps	3	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	3	3	....	5	3	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	1	1	..	..	..	..	..	..	..	2	1	3	1	2	2	"	2	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Total	..	.	..	..	..	2	1	1	..	5		..	..	9	9	9	10	6	9	Murder	1	..	..	..	..	2	1	2	1	..	..	1	1	..	..	....	....	..
Males	..	..	..	..	..	1	1	..	..	3	..	..	..	5	5	9	8	5	6	"	....	..	..	..	..	1	1	..	1	..	..	1	1	..	..	....	....	..
Females	..	..	..	..	..	1	..	1	..	2	..	..	..	4	4	....	2	1	3	"	1	..	..	..	..	1	..	2	..	..	..	..	..	..	..	....	....	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	2	....	....	Navel, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	..
Males	..	..	..	..	..	..	..	..	1	..	..	..	..	1	....	....	....	....	....	Necrosis of Hip	....	..	..	..	..	..	..	..	..	1	..	..	..	..	..	....	....	..

Males	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	Necrosis of Temple Bone	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	Necrosis	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Neglect	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	1	2	1	1	..	6	5	7	1	2	2	Nerve Disease	1	..	..	4	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	1	..	1	..	2	2	3	..	..	..	" "	1	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	1	1	1	..	..	4	3	4	1	2	2	" "	..	..	..	3	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Nettle Rash	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	Neuralgia in Head	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	..	..	2	1	..	..	..	..	5	6	4	6	3	14	Neuralgia	..	..	..	..	..	1	..	..	..	1	..	2	1	..	..	..	..	..	..	..	..
Males	..	1	..	..	..	..	..	..	..	..	..	..	2	2	1	2	2	7	"	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	2	1	..	..	..	..	3	4	3	4	1	7	"	..	..	..	..	..	1	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	Nightmare	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Obesity	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Obstruction of Veins of Neck	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	37	34	37	54	53	43	36	51	59	48	56	70	1	579	489	483	373	428	428	Old Age	..	..	..	..	..	..	..	..	..	..	1	10	37	91	131	305	4
Males	18	15	20	31	23	19	16	24	26	17	33	38	1	281	248	228	218	195	226	" "	..	..	..	..	..	..	..	..	..	..	1	4	17	50	61	145	3
Females	19	19	17	23	30	24	20	27	33	31	23	32	..	298	241	255	155	233	202	" "		..	..	..	..	..	..	..	..	..	..	6	20	41	70	160	1
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Opium		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Opium Eating		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	" "		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	Osteo-sarcoma		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	.	Ovarian Disease		..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	.	Ovarian Dropsy		..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	2	1	..	..	1	..	..	1	..	6	5	3	6	..	3	Ovarian Tumor		..	..	..	2	1	..	..	1	1	..	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	.	Ovaries, Rupture of		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	.	Ovaritis, Chronic		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																		
	January.	February	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..		..	1	..	1	1	2	1		2	..	..	8	7	4	8	....	4	Over-dose of Medicine	2	..	..	..	..	..	..	..	2	..	2	1	..	..	..	..	1	..
Males	..		..	1	..	1	..	2	1		2	..	..	7	4	4	4	....	3	" " "	1	..	..	..	..	..	..	..	2	..	2	1	..	..	..	..	1	..
Females	..		..	..	..	..	1	..	..		..	..	..	1	3	....	4	....	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..		..	..	..	..	..	..	..		..	..	..	....	1	....	....	....	....	Over-lifting, Strained by	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..		..	..	..	..	..	..	..		..	..	..	....	1	1	....	....	....	Over-work	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..		..	..	..	..	..	..	..		..	..	..	....	1	....	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..		..	..	..	..	..	..	..		..	..	..	....	....	....	....	....	1	Over-work and Exposure	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..		..	..	..	..	..	..	..		..	..	..	....	....	....	....	1	....	Pancreas, Enlarged, Rup. of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..		2	..	1	..	..	..	..		1	1	..	5	....	3	1	2	1	Paralysis, General	....	..	..	..	..	..	..	1	1	2	..	1	..	..	..	..	..	..
Males	..		2	..	1	..	..	..	..		1	..	..	4	....	3	1	2	1	" "	....	..	..	..	..	..	..	1	1	2	..	..	..	..	..	..	..	..
Females	..		..	..	..	..	..	..	..		..	1	.	1	....	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Males	..		..	..	..	..	..	..	..		..	..	.	....	1	....	....	....	1	Paral. of Insane, General	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..		..	..	..	..	..	..	..		..	..	.	....	....	....	....	....	1	Paralysis, Rheumatic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..		..	..	..	..	..	..	..		..	..	.	....	2	....	....	....	....	Paralysis of Stomach	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females			..	..	..	..	..	..	..		..	..	.	....	....	....	....	1	....	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	17	13	14	18	20	14	24	22	26	17	22	30	.	237	244	230	170	169	170	Paralysis	6	3	2	2	1	2	5	5	5	11	14	19	16	36	42	40	24	4
Males	6		9	9	12	5	13	11	12	9	11	16	.	120	132	127	89	98	85	"	2	..	2	2	..	1	3	2	2	5	9	9	10	24	21	15	11	2
Females	11		5	9	8	9	11	11	14	8	11	14	.	117	112	103	81	71	85	"	4	3	..	..	1	1	2	3	3	6	5	10	6	12	21	25	13	2
Males			..	..	..	..	..	..	..		..	..	.	....	....	....	1	....	....	Paraplegia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females			..	..	..	..	..	..	..		..	..	.	1	....	1	....	....	....	Pelvic Cellulitis	....	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males			..	..	..	..	..	..	..		..	1	.	1	....	1	....	....	....	Pericarditis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..

Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	....	....	Pericarditis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	....	....	....	....	....	Perineum, Inflam. of	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Peritonitis, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	1	..	2	1	..	..	..	3	1	..	2	..	11	8	8	13	8	9	Peritonitis	1	..	1	1	2	2	..	2	..	1	..	..	..	..	..	..	..	..	1
Males	..	1	..	1	..	..	..	..	1	..	..	2	..	5	4	4	6	5	1	"	1	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	1	..	..	1	1	..	..	..	2	1	..	..	..	6	4	4	7	3	8	"	....	..	..	..	2	1	..	2	..	1	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Phlebitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	1	..	1	..	1	..	..	..	..	..	3	1	3	1	1	1	Piles	....	..	..	..	..	..	..	1	..	..	1	..	1	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	2	4	..	3	1	1	..	1	2	..	2	..	16	14	19	14	15	18	Pleurisy	....	..	..	1	1	1	2	1	2	2	..	1	1	1	2	1	..	..
Males	..	2	2	..	1	..	1	..	..	2	..	1	..	9	7	12	12	6	16	"	....	..	..	1	..	..	1	1	..	2	..	..	..	1	2	1	..	..	..
Females	..	..	2	..	2	1	..	..	1	..	..	1	..	7	7	7	2	9	2	"	....	..	..	..	1	1	1	..	2	..	..	1	1	..	..	..	..	..	..
Total	..	..	..	1	..	1	..	..	..	..	..	2	..	4	3	....	6	3	7	Pleuro pneumonia	....	..	..	..	..	1	..	..	..	..	..	2	..	..	1	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	..	1	..	2	2	....	4	3	4	" "	....	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	1	..	2	1	....	2	....	3	" "	....	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..
Total	6	9	7	5	10	3	1	1	5	3	3	5	..	58	70	48	80	109	74	Pneumonia, Typhoid	5	..	1	6	7	..	2	3	1	3	2	8	6	7	1	3	2	1
Males	3	3	1	2	9	1	1	..	2	1	3	3	..	29	38	27	55	63	50	" "	2	..	..	1	4	..	1	2	1	1	1	5	3	4	1	2	1	..
Females	3	6	6	3	1	2	..	1	3	2	..	2	..	29	32	21	25	46	24	" "	3	..	1	5	3	..	1	1	..	2	1	3	3	3	..	1	1	1
Total	36	37	59	54	37	30	15	19	22	35	53	65	..	462	465	627	745	802	706	Pneumonia	202	12	7	14	16	11	12	11	15	18	22	25	25	31	13	11	13	4
Males	25	21	36	30	24	18	10	7	14	20	31	39	..	275	263	364	450	471	431	"	118	9	4	10	10	10	6	8	4	12	13	13	16	20	7	4	8	3
Females	11	16	23	24	13	12	5	12	8	15	22	26	..	187	202	263	295	330	275	"	84	3	3	4	6	1	6	3	11	6	9	12	9	11	6	7	5	1
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	1	4	1	2	1	3	6	3	3	2	..	27	21	19	15	21	21	Poison	8	3	1	2	1	3	4	1	1	1	..	1	..	..	..	..	1	..
Males	..	..	1	4	..	2	..	2	1	2	1	1	..	14	12	6	7	11	12	"	4	1	1	..	1	3	2	..	..	..	..	1	..	..	..	..	1	..
Females	1	..	..	..	1	..	1	1	5	1	2	1	..	13	9	13	8	10	9	"	4	2	..	2	..	..	2	1	1	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	1	..	..	..	..	..	..	..	1	....	....	....	....	....	Prolapsus Uteri	....	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	1	....	....	Prolapsus	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1	....	1	Prostate, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1			....	Prostate, Enlarg't of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	..	..	1	....	....			....	Prostate Gland, Swelling of	....	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1			....	Prostatitis, Chronic	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	..	..	..	..	..	..	..	..	..	..	..	..	1	1	....	....		....	Prostration	....	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....		....	Puerperal Congestion	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	3	..	..	3	4	6	5	4	5	Puerperal Convulsions	....	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	1
Females	..	1	1	3	2	1	..	1	6	1	..	..	..	16	23	29	37	49	49	Puerperal Fever	....	..	..	1	7	2	4	1	1	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	2	2	3	2	Puerperal Peritonitis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1		....	Puerperal Septicæmia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	....		....	Purpura Hemorrhagica	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	1	....		....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	....	....	....	4	1	Purpura	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	....	1		1	Pyæmia	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	2	....	....	1		....	"	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	..	..	1	2	3		7	1	4	5	5	5	Quinsy	1	..	2	..	1	..	1	..	..	..	1	..	..	1	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	1	1		2	....	3	2	4	3	"	....	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Female	1	..	..	..	..	..	..	..	..	..	1	2		5	1	1	3	1	2	"	1	..	2	..	1	..	1	..	..	..	..	..	..	..	..	..	..
Total	1	..	..	..	..	..	..	1	..	..	..	..		2	1	....	2	1	1	Rachitis	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	..	..		1	....	....	2	....	....	"	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females								1						1	1			1	1	Rachitis	1																				
Total	3	2	3	1	3	1	3	2	6	6	4	12		46	42	37	33	47	53	Railroad Accident	1	4	3	4	2	9	4	2	2	2	2	4	2	1				4
Males	3	2	2	1	3	1	3	2	6	6	3	10		42	37	36	30	45	51	" "	1	3	2	4	2	9	4	2	2	2	2	4	1					4
Females											1	2		4	5	1	3	2	2	" "		1	1										1	1				
Females																		1		Rape, Effects of																		
Males																1				Rash																		
Females																	1			Rheumatism in Bowels																		
Females															1					Rheumatism in Chest																		
Males																	1	1		Rheumatism in Head																		
Total		1		1	1		1			1		3		8	12	11	12	9	6	Rheumatism of Heart			1				1				2	1	1	2				
Males		1			1		1			1		2		6	6	7	9	4	3	" " "			1				1				1	1	1	1				
Females				1								1		2	6	4	3	5	3	" " "											1			1				
Total	1	1		3	1	4	1	1	1		2			15	12	18	16	27	27	Rheumatism, Inflam.	2	1	2	1	1	2		1	1		1	1		2				
Males				2		1		1			1			5	6	16	8	13	15	" "	1	1	1	1										1				
Females	1	1		1	1	3	1		1		1			10	6	2	8	14	12	" "	1		1		1	2		1	1		1	1		1				
Females																	1			Rheumatism, Nervous																		
Males															4	1	3	1		Rheumatism, Sciatic																		
Females										1				1		2	2			" "													1					
Total						1					1			2				1	1	Rheumatism, Spinal												1		1				
Males											1			1						" "														1				
Females						1								1				1	1	" "												1						
Males																1				Rheumatism of Stomach																		
Females																1	1			" " "																		
Total	2	3	1	1	1	3	3	4	3	3	2	3		29	43	29	31	24	29	Rheumatism		3			1	1		1	1		2	5	2	6		4	2	1
Males			1	1	1	1	2	2	2	3	1	1		16	29	18	22	10	18	"		2			1	1		1	1		1	3	1	3		2		
Females	2					2	1	2	1		1	2		13	14	11	9	14	11	"		1									1	2	1	3		2	2	1
Females																	2			Roseola																		

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Females	..	..		..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Rupture, Internal	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	1	1	....	....	....	"Salt Rheum"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	....	1	....	....	Sarcoma, Medullary	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	1	..	1	1	1	....	....	....	Scald Head	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	3	2		1	1	3	1	1	2	6	5	1	..	27	32	25	34	32	36	Scald	25		..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Males	2	2		1	1	2	1	1	2	4	2	..	..	18	24	15	19	22	23	"	16		..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females		..		..	..	1	..	.	..	2	3	1	..	9	8	10	15	10	13	"	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males		..		..	..	..	..	.	..	..	..	..	..	....	....	....	1	....	....	Scalp, Disease of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	32	34		35	31	23	22	31	27	26	52	75	..	429	404	399	423	440	580	Scarlet Fever	276	104	26	12	2	3	1	..	1	..	..	1	..	..	..	..	3
Males	15	14	17	17	13	13	14	17	15	15	23	44	..	217	203	193	216	234	297	" "	146	47	14	2	1	1	1	..	1	..	..	1	..	..	..	..	3
Females	17	20	24	18	18	10	8	14	12	11	29	31	..	212	200	206	207	206	283	" "	130	57	12	10	1	2	..	..	..	..	..	..	..	..	..	..	..
Unknown	.	..		..	..	..	..	.	..	..	..	..	..	....	1	....	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	.	.		..	..	..	..	.	..	..	..	..	..	....	....	....	....	....	1	Scirrhosis	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	2	3	2	2	2	4	2	3	3	6	2	2	..	33	32	26	34	23	42	Scrofula	17	2	1	..	3	1	1	1	..	2	2	1	..	..	..	..	2
Males	2	1	1	1	2	2	..	.	2	3	..	1	..	15	15	15	24	11	23	"	8	2	..	..	1	1	..	1	..	..	1	..	..	..	..	..	1
Females	.	2	1	1	..	2	2	3	1	3	2	1	..	18	17	11	10	12	19	"	9	..	1	..	2	..	1	..	..	2	1	1	..	..	..	..	1
Total	.	..		1	..	..	1	..	..	..	..	1	..	3	....	1	....	....	....	Scurvy	1	..	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..
Males	.	..		1	..	..	..	.	..	..	..	..	..	1	....	1	....	....	....	"	....	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Females	.	..		..	..	..	1	.	..	..	..	1	..	2	....	....	....	....	....	"	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	..	..	....	....	....	....	....	1	Sea-sickness	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	"Self Abuse"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total	1	..	..	..	2	..	..	..	1	..	1	1	..	6	4	5	2	1	...	Septicæmia	1		1		..	..	3	..	..	.	1	..	..	..	..	..
Males	1	..	..	..	..	..	..	..	..	..	.	1	..	2	1	1	1	1	...	"	....		..		..	..	1	..	..	.	1	..	..	..	..	..
Females	..	..	..	..	2	..	..	..	1	..	1	..	..	4	3	4	1	..	...	"	1		1		..	..	2	..	..	.	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	.	..	..	1	....	..	1	..	...	Shock	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	1	..	...	"	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	1	....	..	...	Sickness of Mother	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	....	1	...	Skin Disease	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	....	2	...	" "	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Total	2	..	..	..	1	2	1	..	..	..	.	..	..	6	102	76	26	18	90	Small-pox	2		2		..	1	..	..	..	.	..	..	..	..	..	..
Males	2	..	..	..	1	1	..	..	..	..	.	..	..	4	51	43	20	11	49	" "	2		1		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	1	1	..	..	..	.	..	..	2	51	33	6	7	41	" "	....		1		..	1	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	1	....	...	....	Snake Bite	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	1	..	....	...	....	Spasm of Glottis	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	1	1	....	" " "	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	1	....	...	....	Spider Bite	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	....	2	1	Spina Bifida	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	1	..	..	..	..	..	..	.	..	..	1	....	..	1	...	....	" "	1		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	1	..	....	...	....	Spinal Irritation	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	.	..	..	..	....	..	....	...	1	Spine, Concussion of	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Total	5	9	8	3	4	5	5	8	10	4	3	8	..	72	81	73	69	114	170	Spine Disease	32	6	3	6	3	5	2	..	1	2	3	1	1	3	..	1
Males	1	6	5	1	..	2	2	3	4	2	2	5	..	33	37	37	34	51	86	" "	17	5	..	2	..	2	1	..	1	1	1	1	1	..	..	..
Females	4	3	3	2	4	3	3	5	6	2	1	3	..	39	43	36	35	63	84	" "	15		3	4	3	3	1	..	..	1	2	..	..	3	..	1
Unknown	..	..	..	..	..	..	..	..	..	..	.	..	..	..	1	..	....	...	....	" "	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	1	..	..	..	..	..	..	1	..	..	2	....	..	1	2	2	Spine, Inflam. of	2		..		..	..	..	..	..	.	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	.	..	..	..	2	2	....	1	....	" "	....		..		..	..	..	..	..	.	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	1	..	..	.	1	..	2	2	..	1	...	....	Spine, Injury of	....		..		..	1	1	..	..	.	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	Spine, Injury of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	1	..	1	..	1	..	..	..	3	..	..	..	2	..	Spine, Paralysis of	..	1	..	..	1	..	..	..	..	..	..	..	1	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Spine, Softening of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Spine, Ulceration of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	Spleen, Disease of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..	2	..	..	..	..	1	..	..	..	1	..	4	1	..	1	1	2	Spleen, Enlargement of	1	..	..	..	1	..	..	1	..	..	..	..	..	1	..	..	..
Males	..	..	1	..	..	..	..	1	..	..	..	..	..	2	1	..	..	1	1	" " "	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Females	..	..	1	..	..	..	..	..	..	..	..	1	..	2	..	..	1	..	1	" " "	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Spleen, Inflam. of	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	" " "	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Sprain of Side by Lifting	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Stabbing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	Starvation	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	"	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	52	54	54	75	69	57	64	60	61	67	63	117	..	793	720	646	629	464	274	Still-born	793	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	34	27	23	44	1	33	38	34	36	35	35	64	..	444	399	356	344	257	153	" "	444	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	14	24	29	25	26	22	25	25	21	26	26	44	..	307	290	258	245	181	112	" "	307	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Unknown	4	3	2	6	2	2	1	1	4	6	2	9	..	42	31	32	40	26	9	" "	42	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	Sting of Bee	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Females																1					Stomach, Contraction of																					
Total		1	2	3	2		1	3	2	3	2	3		22	20	20	12	19	11	Stomach Disease	6				1				1	3	2	1	3		1	3	1	
Males		1	1	2	2			2	2	2	1	3		16	9	10	5	10	7	" "	6				1				1	1	1		2		1	2	1	
Females			1	1			1	1		1	1			6	11	10	7	9	4	" "										2	1	1	1			1		
Total			2	1	2	3	1	5	2	5	1	6	2	30	20	22	27	24	36	Stomach, Inflam. of	6	2	1	1	2	1		1	1		1	2	2	2	3		2	3
Males			1	1	1	1		2	1	2		3	2	14	8	14	10	7	15	" " "	2		1		2	1			1					1	2		1	3
Females			1		1	2	1	3	1	3	1	3		16	12	8	17	17	21	" " "	4	2		1				1			1	2	2	1	1		1	
Females	1					1			1		1	1		5	3	3				Stomach, Neuralgia of*						1	1				1		1	1				
Males															1					Stomach, Strain of																					
Total				1	1		1	1	1	1	1			7	11	7	8	5	8	Stomach, Ulceration of					1	1					1	2	2				
Males								1	1	1	1			4	9	5	6	2	6	" " "											1	2	1				
Females				1	1		1							3	2	2	2	3	2	" " "					1	1							1				
Females																1				Stomatitis																		
Males																1		1		Stone in Bladder																		
Total	1		1		1	1		1		2	2			9	5	7	2	5	8	Strangulation	7	1						1									
Males	1							1		1				3	3	3	2	4	7	"	3																	
Females			1		1	1				1	2			6	2	4		1	1	"	4	1						1									
Males															1		3			Stricture of Urethra																		
Males																	1			Stricture																		
Total		1	1	2		2		1	2	1		2		12	7	18	9	10	11	Suffocation	10	1									1						
Males		1		1					2	1				5	5	14	4	4	8	"	4	1																
Females			1	1		2		1				2		7	2	3	5	6	3	"	6										1							
Unknown																1				"																		
Total	5	2	5	5	5	9	5	7	5	6	5	4		63	66	54	52	53	39	Suicide*			1	5	10	3	7	4	8	6	5	4	2	2	2	1	2	1
Males	4	2	4	2	3	6	3	3	3	6	3	1		40	46	43	42	31	30	"				1	7	1	4	2	5	6	4	1	2	1	2	1	2	1
Females	1		1	3	2	3	2	4	2		2	3		23	20	11	10	22	9	"			1	4	3	2	3	2	3		1	3		1				

* See Exhibit 9, page 240.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Total	..	..	..	..	..	1	17	3	2	1	..	1	..	25	11	17	1	21	3	Sun-stroke	2	1	1	..	2	..	2	..	3	3	1	3	1	2	2	..	1	1
Males	..	..	..	..	..	1	15	3	2	1	..	1	..	23	7	15	1	19	2	" "	1		1	..	2	..	2	..	3	3	1	3	1	1	2	..	1	1
Females	..	..	..	..	..	..	2	..	..	..	..	..	..	2	4	2	....	2	1	" "	1		..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	2	2	Surgical Operation	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	2	....	..	1	" "	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	1	....	..	....	Swallowed a Penny when a Boy	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	5	3	5	4	3	Syphilis	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	1	..	..	1	..	..	..	2	1	2	2	5	3	"	1		..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Unknown	..	..	..	..	..	..	..	..	..	..	..	..	..	....	1	1	....	..	....	"	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	....	..	....	Tape-worm	....		..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	4	2	2	4	6	1	5	11	11	9	1	4	..	60	66	77	71	89	106	Teething	60		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	3	1	2	2	3	1	4	5	6	6	1	4	..	38	39	39	37	41	60	"	38		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	1	1	..	2	3	..	1	6	5	3	..	..	..	22	27	38	34	48	46	"	22		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	1	..	..	2	..	1	1	..	1	..	..	..	6	6	2	....	5	3	Tetanus (Lock-jaw)	2		..	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	2	..	1	1	..	1	..	..	..	5	3	1	....	4	2	" " "	2		..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	1	..	..	..	..	..	..	..	..	..	..	..	1	3	1	....	1	1	" " "	....		..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..	..	..	..	..	..	..	..	..	..	..	..	....	..	....	....	1	....	Tetanus	....		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	1	..	..	..	..	..	..	..	..	1	1	1	....	..	3	"	1		..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..	..	..	..	..	..	1	..	..	..	..	..	1	..	....	....	..	....	Tetter	....		..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..
Total	..	2	1	1	..	..	..	1	4	1	2	..	..	12	10	21	7	18	31	Throat Disease	6	2	1	..	1	..	..	..	..	..	..	..	1	..	..	..	..	1
Males	..	1	1	1	..	..	..	..	1	..	..	..	..	4	7	13	3	11	15	" "	2		..	..	1	..	..	..	..	..	..	..	1	..	..	..	..	..

Females	..	1		..	..	..	..	3	1	2	..	.	8	3	8	4	7	16	Throat Disease	4	2	1		..	..	..	.	..	..	..	..	..	..	..	..	..	1
Total	..	..	3	..	..	..	..	2	1	..	1	.	8	3	4	3	....	.	Throat, Inflam. of	3	2	..		..	1	..	1	1	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	2	1	..	..	.	5	1	3	1	....	.	" " "	1	1	..		..	1	..	1	1	..	..	..	..	..	..	..	..	..
Females	..	..	2	..	..	..	..		..	..	1	.	3	2	1	2	....	.	" " "	2	1	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	1		..	..	..	..	.	..	..	..	.	1	1	....	.	1	.	Throat, Paral. of	....	..	..		..	..	..	.	..	..	..	..	..	..	1	..	..	..
Males	..	..		..	..	..	..	2	..	..	..	.	2	1	7	4	1	1	Throat, Putrid Sore	....	1	..		..	..	1	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	1	9	2	2	1	" " "	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	....	1	....	.	Throat, Ulceration of	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	....	2	....	.	" " "	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Total	..	..		..	..	1	..	.	1	..	1	.	3	7	5	11	8	6	Thrush	3	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	1	.	1	2	3	5	3	2	"	1	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	1	..	.	1	..	..	.	2	5	2	6	5	4	"	2	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	....	.	1	.	Tonsilitis	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	.	.	....	....	....	1	....	.	"	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	....	.	1	.	Trachitis	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	....	.	1		"	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	....	.	2	1	Trichiniasis	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	1	.	2	.	"	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	1	.	1	....	....	.	....	.	Tubercles on Brain	1	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	....	.	1	.	Tubercles of Liver and Kidneys	....	..	..		..	..	..	.	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	1	1	1	.	Tumor in Abdomen	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	1	3	1	3	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	....	1	.	....	.	Tumor under Arm	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	1	....	.	....	2	Tumor on Back	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	.	..	..	..	.	....	....	2	2	....	2	" " "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	1	..	..	.	..	..	..	.	1	1	....	.	....	.	Tumor in Bowels	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	.	..	..	..	.	....	2	1	1	2	1	Tumor on Brain	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	1													1			1	2	1	Tumor on Brain									1								
Males																	1			Tumor of Chest																	
Females															1					" " "																	
Males																	1			Tumor, Fatty																	
Total			1											3	2	2			3	Tumor on Head	2																
Males			1											1	1	1			2	" " "																	
Females														2	1	1			1	" " "	2																
Females														1						Tumor on Leg									1								
Males																1			1	Tumor on Lungs																	
Females															1					" " "																	
Males																1				Tumor on Neck																	
Females														2			2			" " "										1							
Females	1									1				2			1			Tumor, Operation for					1			1									
Males																1				Tumor on Shoulder																	
Males									1					1		1				Tumor in Side														1			
Females																2	2			" " "																	
Females																	1			Tumor on Spine																	
Total	1		2								1			4	5	5	8	3	6	Tumor in Stomach					1	1										
Males	1										1			2		2	2	3	3	" " "					1	1										
Females			2											2	4	3	6		3	" " "																	
Total				1										2		1	2	3	2	Tumor on Throat	1									1							

Males	--	1	--	--	--	--	--	--	--	--	--	--	--	1	--	--	1	2	1	Tumor on Throat	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--
Females	--	--	--	1	--	--	--	--	--	--	--	--	--	1	--	1	1	1	1	" " "	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	2	4	4	4	2	2	3	2	1	1	--	5	--	30	25	16	19	19	21	Tumor (Unspecified)	5	1	1	--	2	1	3	--	2	1	4	2	3	3	1	--	1	--
Males	--	1	2	1	--	1	2	1	--	1	--	--	--	9	11	2	5	6	8	" "	4	1	--	--	--	--	--	--	1	--	1	1	--	1	--	--	--	--
Females	2	3	2	3	2	1	1	1	1	--	--	5	--	21	14	14	14	13	13	" "	1	--	1	--	2	1	3	--	1	1	3	1	3	2	1	--	1	--
Females	1	--	--	--	1	--	1	1	--	--	--	1	--	5	3	4	3	4	4	Turn of Life	--	--	--	--	--	--	--	1	2	--	1	--	1	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Tympanitis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	1	Ulcer on Neck	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Ulcer on Penis	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	Ulcer near Pylorus	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	1	--	--	--	--	--	--	--	--	1	--	--	--	--	--	Ulcers on Side	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--
Total	1	--	--	1	--	--	--	--	2	--	--	1	--	5	5	8	5	12	8	Ulcers (Unspecified)[a]	--	--	--	1	--	1	--	--	--	1	--	--	2	--	--	--	--	--
Males	1	--	--	1	--	--	--	--	1	--	--	1	--	4	4	7	4	7	5	" "	--	--	--	1	--	1	--	--	--	--	--	--	2	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	1	--	--	--	--	1	1	1	1	5	3	" "	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--
Total	85	68	93	130	97	91	115	146	124	118	119	114	6	1306	1393	1233	1388	1471	1523	Unknown[b]	882	43	15	15	28	23	21	20	18	23	16	29	27	43	16	21	12	54
Males	47	37	46	69	55	49	65	82	58	74	61	62	3	708	745	659	729	800	808	"	505	19	8	6	11	8	7	10	6	10	7	14	12	26	12	10	8	29
Females	38	31	47	59	42	42	50	64	66	44	58	51	3	595	636	558	649	668	709	"	375	24	7	9	17	15	14	10	12	13	9	15	15	17	4	11	4	24
Unknown	--	--	--	2	--	--	--	--	--	--	--	1	--	3	12	16	10	3	6	"	2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Uræmia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	--	--	--	"	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	2	2	Urinary Diseases	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	Urinary Organs, Dis. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Males	--	--	--	--	--	--	--	1	--	--	--	--	--	1	1	1	--	--	--	Urine, Retention of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--
Females	--	--	--	--	--	--	--	--	--	1	--	--	--	1	2	1	2	2	3	Uterine Tumor	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	Uterus, Abscess of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Females	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	Uterus, Cauliff'r Excres. of	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

[a] Includes 4 deaths from fever sore.

[b] See Ex. Z, p. 242.

TABLE XVII.—CONTINUED.—*Specified Causes of Death.*

SEX.	Months, 1878.												Years.						CAUSES OF DEATH.	Ages in Periods of Years.—1878.																	
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.	1878.	1877.	1876.	1875.	1874.	1873.		Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
Females	..	..		..	..	..	..	..	..	..	..	1	..	2	1	....	1	1	....	Uterus, Dis. of	....	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..
Females	1	1		..	..	..	..	..	..	..	..	1	..	4	4	5	4	5	12	Uterus, Inflam. of	....	..	..	..	..	2	1	1	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	....	1	....	....	....	Uterus, Rupture of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	1	1	2	....	2	Uterus, Ulceration of	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	Vaccination	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	Venereal Disease	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	....	2	....	....	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	1	....	....	....	....	Vomiting	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	3	Whisky	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	....	....	....	....	1	"	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	1	....	1	4	2	White Swelling	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	..	..	..	..	..	..	..	....	1	....	....	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	11	9	8	9	7	13	10	24	16	5	9	11	..	132	131	181	101	153	206	Whooping-cough	123	3	1	1	..	..	..	..	..	..	..	..	1	..	..	..	3
Males	5	5	4	4	2	5	1	13	10	3	3	9	..	64	61	89	43	66	105	" "	62	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Females	6	4	4	5	5	8	9	11	6	2	6	2	..	68	70	92	58	86	101	" "	61	2	1	1	..	..	..	..	..	..	..	..	1	..	..	..	..	2
Unknown	..	..		..	..	..	..	..	..	..	..	..	..	....	....	....	....	1	....	" "	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Total	..	..		..	..	..	2	2	3	..	..	3	..	11	5	6	5	7	2	Worms	9	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	1	1	3	..	..	2	..	8	3	3	....	2	1	"	8	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Females	..	..		..	..	..	1	1	..	..	..	1	..	3	2	3	5	5	1	"	1	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	..	..	..	..	..	..	..	..	..	....	....	1	2	....	....	Wounds, Army	....	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Males	..	..		..	1	..	..	..	..	..	..	..	..	1	1	5	1	2	5	Wounds	....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..

The number of deaths tabulated as having been caused by "Casualty" in 1878 was 202, as shown by Table XVII., page 202, and by Exhibit R, page 239. The special causes tabulated as casualty are shown in Exhibit R.

EXHIBIT R.—*Deaths in Michigan in 1878, Compiled as Casualty.*

CASUALTY,—CAUSES AS RETURNED.	Number.	CASUALTY,—CAUSES AS RETURNED.	Number.
Total number tabulated as Casualty in Table XVII	202	Accidentally fell on pen-knife blade and was stabbed to the heart	1
Accident in saw-mill	6	Killed by switch engine	1
Killed by Machinery	3	Killed on railway	1
Powder explosion	2	Thrown from wagon	8
Killed	5	Killed by a threshing machine	1
Killed in mine	6	Caught in threshing cylinder	1
Accidental	78	Dislocation of collar-bone	1
Injuries received while house was burning	1	Crushed by a wagon	2
Killed from lumber pile falling on him	1	Killed by a bull	4
Killed in lumber woods	1	Stepped on by an ox	1
Accidental shooting	16	Crushed in the pinery	1
By log falling	1	Dislocated spine	1
Killed by elevator	1	Killed during wind storm	1
Accidentally run over	4	Crushed leg from falling bridge	1
Explosion of boiler	2	Team running away	5
Falling rock	1	Accidentally falling on hay-knife	1
Killed by falling limb	3	Bursting of a pulley	1
Log rolled on him	4	Fell from a tree	1
Drunk and run over	2	Accidental fright of team	1
Bursting of shingle-jointer	1	Fell from load of hay	1
Injured by log	2	Killed by a saw	1
Fell and broke his neck	1	Stepped on by a horse	1
Being run over by a roller	1	Leg cut off by mowing machine	1
Hurt in mill	1	Buried in well	2
Injured by falling from a building	2	Fell from wind-mill	1
Struck with windlass	1	Fell from bridge	1
Kicked by a horse	12	Accidental caving in of a sewer	1
		Fell from an elevator	1

In Exhibit 9 the statistics of deaths from suicide in this State in 1878 are shown. There were 40 males and 23 females returned as having committed suicide in 1878, making 63 in all,—the largest number ever returned except for the year 1877. Hanging and poisoning were the reported means most generally employed.

EXHIBIT 9.—*Certain facts concerning Persons Returned as having died by Suicide in Michigan during the Year 1878.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
January	4	72	M.	M	W.	Farmer	New York	Not given.
January	5	24	M.	M.	W.	Laborer	England	Not given.
January	13	37	S.	M.	W.	Laborer	Ireland	Not given.
January	16	65	M.	M.	W.	Dyer	New York	Not given.
January	17	19	S.	F.	W.	Unknown	Michigan	Poison.
February	23	18	S.	M.	W.	Student	Michigan	Shooting.
February	23	60	Unk.	M.	W.	Unknown	Germany	Hanging.
March	5	40	M.	M.	W.	Laborer	New York	Not given.
March	10	46	M.	M.	W.	Blacksmith	Unknown	Not given.
March	14	31	S.	M.	W.	Printer	Holland	Not given.
March	20	42	M.	F.	W.	House-work	Germany	Paris Green.
March	24	47	M.	M.	W.	Druggist	New York	Poison.
April	1	23	M.	F.	W.	House-keeper	Unknown	Poison.
April	7	40	M.	M.	W.	Laborer	Ireland	Not given.
April	17	33	S.	M.	W.	Hotel-keeper	Michigan	Morphine.
April	18	26	S.	F.	W.	Hotel-girl	Michigan	Poison.
April	25	18	S.	F.	W.	House-work	Michigan	Not given.
May	1	41	M.	F.	W.	House-keeper	New York	Drowning.
May	3	38	M.	F.	W.	Farmer	Germany	Not given.
May	6	23	S.	M.	W.	Not given	Unknown	Not given.
May	7	55	Unk.	M.	W.	Unknown	Germany	Hanging.
May	14	87	W.	M.	W.	Farmer	England	Pistol Shot.
June	2	Unk.	S.	M.	W.	Unknown	Germany	Not given.
June	4	45	M.	M.	W.	Farmer	Scotland	Not given.
June	15	56	M.	F.	W.	House-wife	New York	Poison.
June	15	57	M.	F.	W.	House-wife	Germany	Not given.
June	16	51	M.	F.	W.	House-wife	New York	Hanging.
June	21	22	M.	M.	W.	Farmer	Michigan	Drowning.
June	23	21	S.	M.	W.	Brewer	Michigan	Hanging.
June	26	44	M.	M.	W.	Shoe-maker	Ohio	Not given.
June	27	49	M.	M.	W.	Grain Dealer	Pennsylvania	Not given.
July	9	14	M.	F.	W.	House-wife	New York	Not given.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1878.*

Date of Death.		Age.	Condition.	Sex.	Color.	Occupation.	Nativity.	Means Used.
Month.	Day.							
July	14	22	M.	M.	W.	Unknown	Michigan	Shooting.
July	21	70	M.	M.	W.	Retired Farmer	New Hampshire	Poison.
July	28	50	M.	M.	W.	Laborer	Scotland	Not given.
July	30	34	M.	F.	W.	House-wife	England	Not given.
August	4	22	M.	F.	M.	House-wife	Ohio	Hanging.
August	12	65	W.	F.	W.	Not given	Holland	Not given.
August	14	30	M.	F.	W.	House-keeper	Michigan	Poison.
August	15	51	M.	M.	W.	Gardener	Germany	Shooting.
August	17	28	S.	M.	W.	Laborer	Germany	Not given.
August	30	42	M.	M.	W.	Capt. of Tug	Pennsylvania	Shooting.
August	31	43	M.	F.	W.	House-wife	Germany	Hanging.
September	1	84	W.	M.	W.	Farmer	Vermont	Hanging.
September	5	50	M.	M.	W.	Farmer	Scotland	Not given.
September	16	16	S.	F.	W.	Laborer	Michigan	Strychnine.
September	24	38	M.	F.	W.	House-wife	Michigan	Not given.
September	26	38	M.	M.	W.	Farmer	Ohio	Shooting.
October	8	40	M.	M.	W.	Saloon-keeper	Germany	Pistol Shot.
October	10	23	S.	M.	W.	Unknown	New York	Shooting.
October	14	22	S.	M.	W.	Farmer	Michigan	Not given.
October	15	47	M.	M.	W.	Farmer	Michigan	Drowning.
October	17	32	M.	M.	W.	Brick-maker	Unknown	Shooting.
October	18	76	W.	M.	W.	Gardener	Prussia	Hanging.
November	11	24	S.	F.	W.	Domestic	Michigan	Not given.
November	11	33	M.	F.	W.	House-wife	Ohio	Opening vein in arm.
November	17	32	M.	M.	W.	Carpenter	Germany	Not given.
November	22	48	M.	M.	W.	Merchant	New York	Hanging.
November	30	52	M.	M.	W.	Laborer	Germany	Not given.
December	6	60	M.	M.	W.	Physician	Prussia	Laudanum.
December	11	26	M.	F.	W.	House-keeper	Michigan	Not given.
December	16	19	S.	F.	W.	Courtesan	Unknown	Not given.
December	23	58	M.	F.	W.	Farmer	Ohio	Hanging.

EXHIBIT 9.—CONTINUED.—*Suicidal Deaths, 1878.*

OCCUPATIONS.	No.	OCCUPATIONS.	No.	OCCUPATIONS.	No.
Black-smith	1	Farmer, Retired	1	Physician	1
Brewer	1	Gardeners	2	Printer	1
Brick-maker	1	Grain Dealer	1	Saloon-keeper	1
Captain of Tug	1	Hotel Girl	1	Shoe-maker	1
Carpenter	1	Hotel-keeper	1	Student	1
Courtesan	1	House-keepers	4	Unknown	9
Domestic	1	House-wives	9		
Druggist	1	House-workers	2	Total	63
Dyer	1	Laborers	8		
Farmers	11	Merchant	1		

NATIVITY.	No.	NATIVITY.	No.	NATIVITY.	No.
England	3	New Hampshire	1	Scotland	3
Germany	12	New York	10	Unknown	5
Holland	2	Ohio	5	Vermont	1
Ireland	2	Pennsylvania	2		
Michigan	15	Prussia	2	Total	63

MEANS USED.	NUMBER.		MEANS USED.	NUMBER.		MEANS USED.	NUMBER.	
	Males.	Females.		Males.	Females.		Males.	Females.
Drowning	2	1	Morphine	1	----	Poison	2	7
Hanging	6	4	Not given	19	10	Shooting	9	----
Laudanum	1	----	Opening Vein in Arm	----	1	Total	40	23

EXHIBIT Z.—*Deaths in Michigan in 1878, Compiled as Unknown.*

CAUSES AS RETURNED.	Males.	Females.	Unknown.	CAUSES AS RETURNED.	Males.	Females.	Unknown.
Total number compiled Unknown in Table XVII	708	596	3	Exhaustion	3	2	----
				Chronic, etc	----	1	----
Congestion	3	1	1	Exhaustion and want of care	1	----	----
Natural causes	1	----	----	Operation	----	1	----
Female Disease	----	1	----	Chronic Disease	----	1	----
Anamosis	----	1	----	Membranous	1	----	----
Chronical	----	1	----	Sudden death	----	2	----
Private Disease	----	1	----	Breast, Inflammation of	1	----	----
Female Complaint	----	1	----	Seminal Weakness	----	1	----
Rush of Blood to Head	1	----	----	Unknown	696	581	2
Suspension	1	----	----				

The fifteen principal conditions and causes of death in Michigan in 1878 caused 56.93 per cent. of all the deaths reported, as shown by Table XVIII. Consumption heads the list of principal causes, and the decedents from this disease constituted 12.85 per cent. of the deaths from all causes in 1878. Next to consumption comes diphtheria, which is reported to have caused 887 deaths in this State in 1878, which is 6.95 per cent. of the deaths from all causes. This is the first time that diphtheria has ranked so high in the list of principal causes. The number of deaths represented in this Table composes 56.93 per cent. of all the deaths returned for the year 1878.

TABLE XVIII.—*Order of Succession of Fifteen Principal Conditions and Causes of Death in Michigan in 1878, according to the Returns, Exhibiting for each Specified Condition and Cause, by Sex, the Number of Deaths, and the Per Cent. of Deaths from each Cause to Deaths from All Causes.*

Order.	Specified Causes and Conditions, 1878.	Number of Deaths.			Per Cent. from Each Cause to Deaths from All Causes.		
		Total.	Males.	Females.	Total.	Males.	Females.
1	Consumption	1,641	729	912	12.85	10.99	15.00
2	Diphtheria	887	396	491	6.95	5.97	8.07
3	Still-born	[a] 793	444	307	6.21	6.69	5.05
4	Old Age	579	281	298	4.54	4.24	4.90
5	Pneumonia	462	275	187	3.62	4.15	3.07
6	Scarlet Fever	429	217	212	3.36	3.27	3.49
7	Heart Disease	332	187	145	2.60	2.82	2.38
8	Typhoid Fever	329	176	153	2.58	2.65	2.52
9	Apoplexy and Paralysis	328	168	160	2.57	2.53	2.63
10	Convulsions and Fits	288	157	131	2.26	2.27	2.15
11	Cancer	269	116	153	2.11	1.75	2.52
12	Dropsy	249	114	135	1.95	1.72	2.22
13	Cholera Infantum	[b] 243	125	116	1.90	1.88	1.91
14	Brain, Inflammation of	225	107	118	1.76	1.61	1.94
15	Bowels, Inflammation of	214	109	105	1.68	1.64	1.73
	Total	[c] 7,268	3,601	3,623	56.93	54.30	59.57
	All Causes	[d] 12,766	6,632	6,082	100.00	100.00	100.00

[a] Includes 42 unknown sex.
[b] Includes 2 unknown sex.
[c] Includes 44 unknown sex.
[d] Includes 52 unknown sex.

EXHIBIT T.—*Order of Succession of Fifteen Principal Causes of Death in Michigan for each of the Years 1873-78.*

Order.	1873.		1874.		1875.		1876.		1877.		1878.	
1	Consumption	1,447	Consumption	1,392	Consumption	1,479	Consumption	1,590	Consumption	1,664	Consumption	1,641
2	Pneumonia	706	Pneumonia	800	Pneumonia	745	Still-born	646	Still-born	720	Diphtheria	887
3	Typhoid Fever	677	Typhoid Fever	610	Still-born	629	Pneumonia	627	Diphtheria	593	Still-born	793
4	Scarlet Fever	573	Still-born	464	Typhoid Fever	433	Old Age	483	Old Age	489	Old Age	579
5	Old Age	428	Scarlet Fever	440	Scarlet Fever	423	Typhoid Fever	426	Pneumonia	465	Pneumonia	462
6	Spinal Fever	428	Old Age	428	Old Age	373	Scarlet Fever	399	Typhoid Fever	446	Scarlet Fever	429
7	Diarrhea	356	Diarrhea	365	Cholera Infantum	289	Apoplexy and Paral.	337	Scarlet Fever	404	Heart Disease	332
8	Brain, Infl. of	333	Heart Disease	320	Heart Disease	289	Cholera Infantum	331	Cholera Infantum	370	Typhoid Fever	329
9	Heart Disease	315	Dysentery	302	Diarrhea	283	Heart Disease	320	Heart Disease	367	Apoplexy and Paral.	328
10	Dysentery	313	Cholera Infantum	278	Apoplexy and Paral.	259	Diphtheria	311	Apoplexy and Paral.	329	Convulsions and Fits	288
11	Cholera Infantum	306	Brain, Infl. of	261	Convulsions and Fits	258	Diarrhea	304	Convulsions and Fits	298	Cancer	269
12	Convulsions and Fits	306	Convulsions and Fits	258	Brain, Infl. of	232	Brain, Infl. of	275	Brain, Infl. of	291	Dropsy	249
13	Bowels, Infl. of	285	Apoplexy and Paral.	232	Bowels, Infl. of	218	Convulsions and Fits	275	Cancer	265	Cholera Infantum	243
14	Childbirth	254	Dropsy	226	Casualty	215	Cancer	241	Diarrhea	265	Brain, Infl. of	225
15	Apoplexy and Paral.	251	Diphtheria	213	Dropsy	215	Bowels, Infl. of	239	Bowels, Infl. of	226	Bowels, Infl. of	214

TABLE XIX.—*Deaths, in Michigan, from Ten Specified Causes during the Year 1878, Exhibiting the Number of each Sex, Total Number in each Month, and at different Periods of Age, according to the Returns.*

SEX, MONTHS, AND AGES.	Causes of Death,—1878.									
	Cancer.	Cephalitis.	Croup.[a]	Diarrhea.[b]	Diphtheria.	Dysentery.[c]	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Sex.										
Total	269	225	236	173	887	158	16	429	329	132
Males	116	107	134	91	396	85	8	217	176	64
Females	153	118	102	82	491	73	8	212	153	68
Months.										
January	17	6	23	4	56	.....	1	32	11	11
February	21	22	13	3	63	2	1	34	13	9
March	16	15	11	5	51	2	3	41	16	8
April	23	19	15	4	40	.....	4	35	14	9
May	33	10	11	5	42	4	1	31	21	7
June	17	22	8	10	34	6	.....	23	13	13
July	26	19	11	39	36	20	.....	22	21	10
August	26	28	8	47	58	60	1	31	42	24
September	22	27	21	30	113	39	1	27	54	16
October	25	18	27	12	131	13	2	26	52	5
November	17	20	43	7	134	8	.....	52	41	9
December	26	19	45	7	127	4	2	75	31	11
Unknown	.....	.....	.....	.....	2	.....	.....	.....	.....	.....
Av. Month...[d]	22	19	20	14	74	13	1	36	27	11
Ages.										
Under 5	7	145	195	152	366	127	11	276	37	128
5 to 10	.....	15	30	4	309	4	2	104	38	3
10 to 15	.....	10	7	.....	131	.....	.....	26	32	1
15 to 20	1	14	.....	2	41	.....	1	12	42	1
20 to 25	2	12	.....	.....	10	.....	1	2	21	.....
25 to 30	6	3	.....	1	5	2	.....	3	20	.....
30 to 35	9	3	.....	.....	4	1	.....	1	17	.....
35 to 40	14	3	.....	1	1	1	1	.....	17	.....
40 to 45	18	3	.....	.....	1	2	.....	1	17	.....
45 to 50	30	.....	.....	3	3	2	.....	.....	13	.....
50 to 55	27	1	1	1	3	4	.....	.....	16	.....
55 to 60	40	5	.....	1	3	1	.....	1	12	.....
60 to 65	31	3	1	2	1	.....	.....	.....	9	.....
65 to 70	36	2	.....	.....	.....	3	.....	.....	17	1
70 to 75	16	.....	.....	1	1	3	.....	.....	6	.....
75 to 80	11	1	.....	5	1	2	.....	.....	7	.....
80 and over	13	1	.....	.....	1	5	.....	.....	2	.....
Unknown	8	4	2	.....	6	1	.....	3	6	3

[a] Includes 37 Membranous Croup. [b] Includes 12 Chronic. [c] Includes 1 Chronic. [d] Excluding unknown month.

TABLE XX.—*Per Cent. of Deaths during the Year ending* ***December 31, 1878,*** *from each of Ten Specified Causes, to Deaths from All Causes;* ***and*** *Per Cent. of each Sex, of Deaths in each Month, and at different* ***Periods of*** *Life to Total Deaths from each Specified Cause.*

SEX, MONTHS, AND AGES.	Causes of Death,—1878. Per Cent. of Total.									
	Cancer.	Cephalitis.	Croup.	Diarrhea.	Diphtheria.	Dysentery.	Measles.	Scarlet Fever.	Typhoid Fever.	Whooping Cough.
Per Ct. of All Causes	2.11	1.76	1.85	1.36	6.95	1.24	.13	3.36	2.58	1.03
SEX. Males	43.12	47.56	56.78	52.60	44.64	53.80	50.00	50.58	53.50	48.48
SEX. Females	56.88	52.44	43.22	47.40	55.36	46.20	50.00	49.42	46.50	51.52
MONTHS. January	6.32	2.67	9.75	2.31	6.31	.....	6.25	7.46	3.34	8.33
February	7.81	9.78	5.51	1.73	7.10	1.27	6.25	7.93	3.95	6.82
March	5.95	6.67	4.66	2.89	5.75	1.27	18.75	9.56	4.86	6.06
April	8.55	8.44	6.36	2.31	4.51	.....	25.00	8.16	4.26	6.82
May	12.27	4.44	4.66	2.89	4.74	2.53	6.25	7.23	6.38	5.30
June	6.32	9.78	3.39	5.78	3.83	3.80	.....	5.36	3.95	.85
July	9.66	8.44	4.66	22.54	4.06	12.66	.....	5.13	6.38	7.58
August	9.66	12.44	3.39	27.17	6.54	37.97	6.25	7.23	12.77	18.18
September	8.18	12.00	8.90	17.34	12.74	24.68	6.25	6.29	16.41	12.12
October	9.29	8.00	11.44	6.94	14.77	8.23	12.50	6.06	15.81	3.79
November	6.32	8.89	18.22	4.05	15.11	5.06	.....	12.12	12.46	6.82
December	9.67	8.44	19.07	4.05	14.32	2.53	12.50	17.48	9.42	8.33
Unknown	.....	.....	.....	.....	.22	.....	.....	.....	.....	.....
Av. Month[a]	8.33	8.33	8.33	8.33	8.32	8.33	8.33	8.33	8.33	8.33
AGES. Under 5	2.60	64.44	82.63	87.86	41.26	80.38	68.75	64.34	11.24	93.18
5 to 10	.....	6.67	12.71	2.31	34.84	2.53	12.50	24.24	11.55	2.27
10 to 15	.....	4.44	2.97	.....	14.77	.....	.....	6.07	9.73	.76
15 to 20	.37	6.22	.....	1.16	4.62	.....	6.25	2.80	12.77	.76
20 to 25	.74	5.33	.....	.....	1.13	.....	6.25	.46	6.38	.....
25 to 30	2.23	1.33	.....	.58	.56	1.27	.....	.70	6.08	.....
30 to 35	3.35	1.33	.....	.....	.45	.63	.....	.23	5.17	.....
35 to 40	5.20	1.33	.....	.58	.11	.63	6.25	.....	5.17	.....
40 to 45	6.69	1.33	.....	.....	.11	1.27	.....	.23	5.17	.....
45 to 50	11.15	.....	.....	1.73	.34	1.27	.....	.....	3.95	.....
50 to 55	10.04	.44	.42	.58	.34	2.53	.....	.....	4.86	.....
55 to 60	14.87	2.22	.....	.58	.34	.63	.....	.23	3.65	.....
60 to 65	11.52	1.33	.42	1.16	.11	.....	.....	.....	2.73	.....
65 to 70	13.38	.89	.....	.....	.....	1.90	.....	.....	5.17	.76
70 to 75	5.95	.....	.....	.58	.11	1.90	.....	.....	1.82	.....
75 to 80	4.09	.45	.....	2.89	.11	1.27	.....	.....	2.13	.....
80 and over	4.83	.45	.....	.....	.11	3.16	.....	.....	.61	.....
Unknown	2.97	1.78	.85	.....	.68	.63	.....	.70	1.82	2.27

[a] Excluding deaths in unknown month.

Cancer.—Two hundred and sixty-nine deaths from this disease were returned for the year 1878, which is 2.11 per cent. of the deaths from all causes. This is the largest number of deaths from cancer ever returned to the State Department for any one year; the number returned has constantly increased each year since 1872. In 1878, the largest proportion appears for the month of May, and, of the different periods of age, the largest proportion appears for decedents aged 55 to 60 years. It appears, by Table XX., that only 3.71 per cent. of all the decedents from cancer in this State, in 1878, were under 25 years or age. Of the 269 deaths from this disease the part of body affected by the cancer was stated in only 129 cases (47.96 per cent.), as shown by Exhibit S. The stomach was the organ most frequently affected by cancer in 1878; next in order, the breast, and next the womb.

EXHIBIT S.—*Deaths of Persons Returned as having Died from Cancer in Michigan during the Year 1878, indicating part of body affected.*

As Returned.	Total.	Males.	Females.	As Returned.	Total.	Males.	Females.
Carcinoma Uteri	1	.....	1	Bone Cancer of Thigh	1	1	.....
Cancer in Stomach	53	32	21	Cancer of Neck	4	3	1
Cancer in Throat	4	1	3	Rose Cancer	2	2	.....
Cancer of Bowels	5	1	4	Scrofulous Cancer	1	1	.....
Cancer of Breast	19	1	18	Cancer of Hand	1	1	.....
Cancer of Liver	1	1	.....	Scirrhus	1	.....	1
Cancer Tumor	1	.....	1	Cancer of Lip	1	1	.....
Schirrus Cancer in Stomach	1	1	.....	Cancer of Rectum	2	2	.....
Inward Cancer	3	1	2	Cancer of Spleen	1	.....	1
Cancer of Womb	14	.....	14	Frog Cancer on Leg	1	1	.....
Cancer in Mouth	1	1	.....	Cancer on Leg	1	1	.....
Cancer on Face	7	6	1				
Cancer of Kidneys	1	1	.....	Total Specified	129	61	68
Cancer on Head	1	1	.....	Cancer (Unspecified)	140	55	85
Cancer in Lungs	1	1	.....	Aggregate	269	116	153

Measles.—Only 16 deaths from measles were reported for the year 1878,—a very small number in comparison with any previous year. During the four months of March, April, October, and December 68.75 per cent. of all the deaths from measles in 1878 occurred, and 68.75 per cent. of all the decedents were under 5 years of age.

Whooping-Cough.—In the returns of deaths for the year 1878 there were 132 deaths returned as having occurred from whooping-cough. A larger per cent. of these occurred in August than in any other month, and 93.18 per cent. of all the decedents from this disease were under 5 years of age.

METEOROLOGICAL CONDITIONS, AND THEIR RELATIONS TO DEATHS.

The meteorological conditions to which study is given in this work are those observed at the State Agricultural College, near Lansing. As this station is near the center of the thickly-settled portion of the State, it is thought to represent, more nearly than other stations, the conditions which prevailed where the greatest proportion of the deaths in Michigan occurred.

In the following tables and exhibits some of the most important diseases are compared with the principal meteorological conditions, so that any coincidence of the deaths from those diseases with any of the stated conditions can be easily learned.

EXHIBIT 10.—TEMPERATURE.—*Average by Years and by Months, for the Years 1869 to 1878, inclusive, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State. (Results of Observations by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	AVERAGE TEMPERATURE, STATED IN DEGREES FAHRENHEIT, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1869	46.27	29.38	26.06	27.60	45.70	56.02	64.45	70.35	70.58	63.45	40.80	32.05	28.16
1870	49.11	25.37	24.25	30.28	50.39	64.32	70.87	74.40	70.11	63.66	52.45	38.40	24.80
1871	47.93	24.75	25.65	38.18	50.13	61.39	68.21	70.60	71.19	58.10	53.91	31.95	21.12
1872	45.54	21.59	21.34	24.75	47.39	58.48	71.82	74.91	71.22	62.03	47.44	29.80	15.74
1873	44.54	15.87	19.10	28.30	43.17	56.98	70.60	70.82	69.49	57.38	44.68	28.49	29.54
1874	47.32	27.70	25.51	32.30	36.87	59.58	70.61	72.02	69.39	62.85	49.10	35.00	26.96
1875	43.09	12.87	8.35	26.20	41.11	60.62	66.57	69.67	65.48	58.50	42.93	32.96	31.58
1876	46.17	30.22	27.38	30.55	44.16	57.95	68.14	72.48	71.55	56.30	43.74	36.33	15.23
1877	47.42	18.07	32.31	24.51	46.16	58.25	65.93	71.43	68.46	61.28	50.83	35.24	36.57
1878	48.29	29.11	28.07	40.90	50.55	54.57	64.08	73.04	70.15	63.15	48.33	36.29	21.29
Av. for 10 Years*	46 57	23.49	23.86	30.36	45.56	58.84	68.13	71.97	69.76	60.67	47.42	33.65	25.10

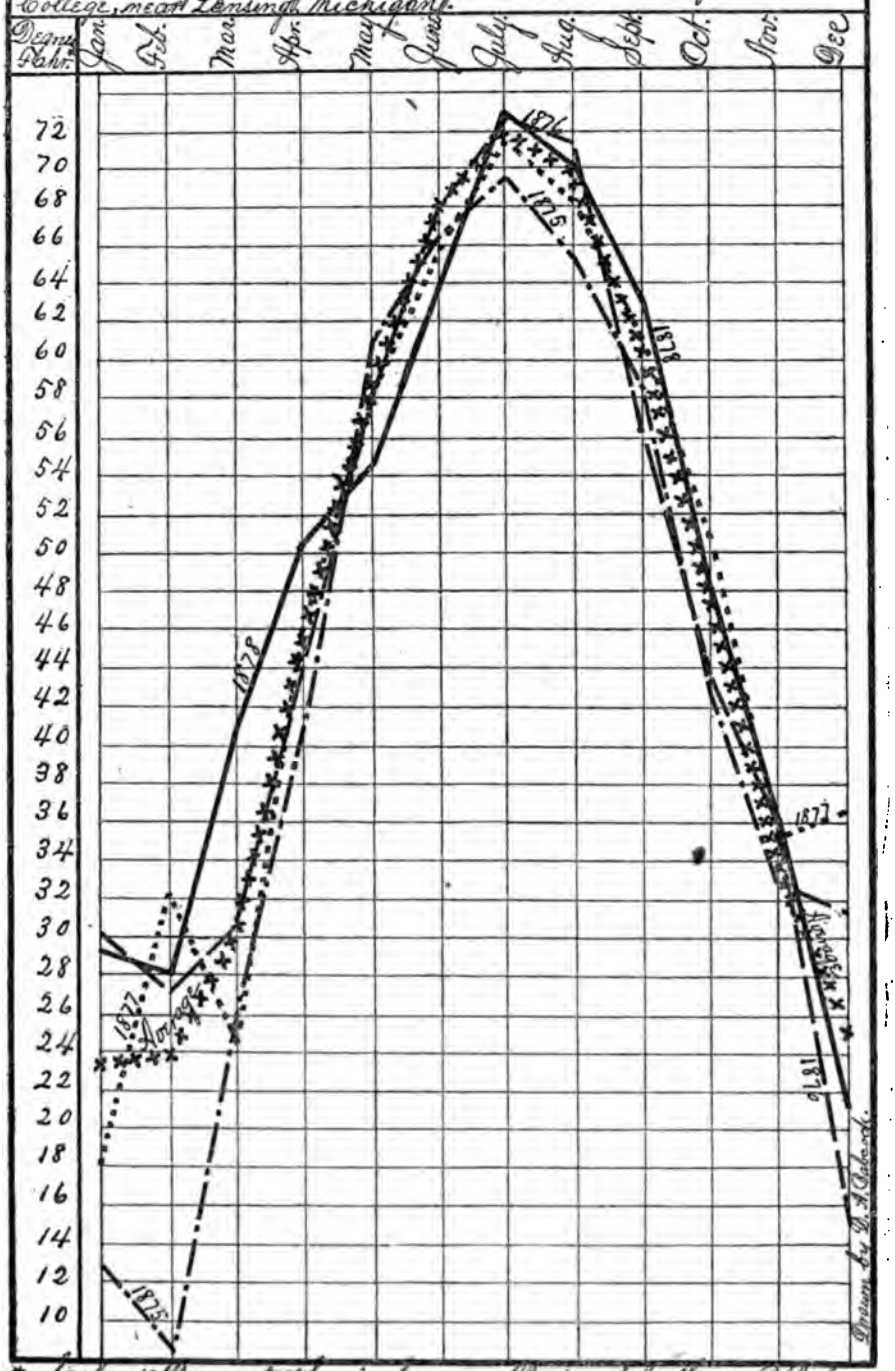
* Average for 10 years ending with 1878.

TABLE XXXI.—TEMPERATURE.—*Exhibiting the Mean Temperature, the Highest and Lowest Temperature, the Monthly Range, the Mean Daily Range, the Mean Range from Day to Day, and the Greatest Rise or Fall of Thermometer in 24 hours and in 14 hours, for each Month of the Year 1878, at the Agricultural College, near Lansing, Michigan.*

YEAR AND MONTHS, 1878.	TEMPERATURE.—FAHRENHEIT, 1878.													
	Average of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.	REGISTERING THERMOMETER.			AVERAGE RANGE.		GREATEST CHANGE IN 24 HOURS,—2 P. M. TO 2 P. M.			GREATEST CHANGE IN 14 HOURS,—7 A. M. TO 9 P. M.			REGISTERING THERMOMETER,—GREATEST CHANGE IN 24 HOURS.	
		Highest.	Lowest.	Range.	Daily,—7 A. M. to 9 P. M.	From Day to Day,—2 P. M. to 2 P. M.		Degrees of Rise and Fall.	Day of Month.		Degrees of Rise and Fall.	Day of Month.	Degrees of Change.	Day of Month.
Year 1878	48.29	98	-7	105	13.63	16.05	F.	40	Mar. 24	R.	33	3, 4	40	Mar. 23
January	29.11	48	-4	52	9.00	11.03	F.	23	23	R.	21	29	23	22
February	28.07	55	-7	62	14.59	15.93	F.	34	3	R.	33	3, 4	37	2
March	40.90	72	18	54	12.06	16.77	F.	40	24	R.	23	5, 15	40	23
April	50.55	75	29	46	14.07	15.77	R.	26	2	R.	26	2	31	4, 12
May	54.57	77	29	48	13.08	15.45	R.	25	2	R.	23	31	28	2
June	64.08	94	39	55	15.80	18.73	R.	27	25	R.	27	25	33	24
July	73.04	98	47	51	14.32	18.10	F.	30	2	R.	26	23	36	1
August	70.15	93	39	54	17.71	19.74	R.	29	26	R.	29	26	38	26
September	63.15	92	31	61	17.43	20.30	R.	29	6	R.	29	6	32	14
October	48.33	82	21	61	16.03	18.58	R.	32	20	R.	31	6, 12	32	6
November	36.29	52	15	37	11.57	12.60	F.	30	3	R.	25	3	36	2
December	21.29	36	-2	38	7.10	9.55	F.	18	15	R.	17	8	21	7, 22

Diagram No. 6.

Average Temperature, by months, for the years 1875, 1876, 1877, and 1878, and the Average for 10 years ending with 1878, at the Agricultural College, near Lansing, Michigan.



* Scale = 10 Degrees to the inch.

Designed by Henry S. Baker.

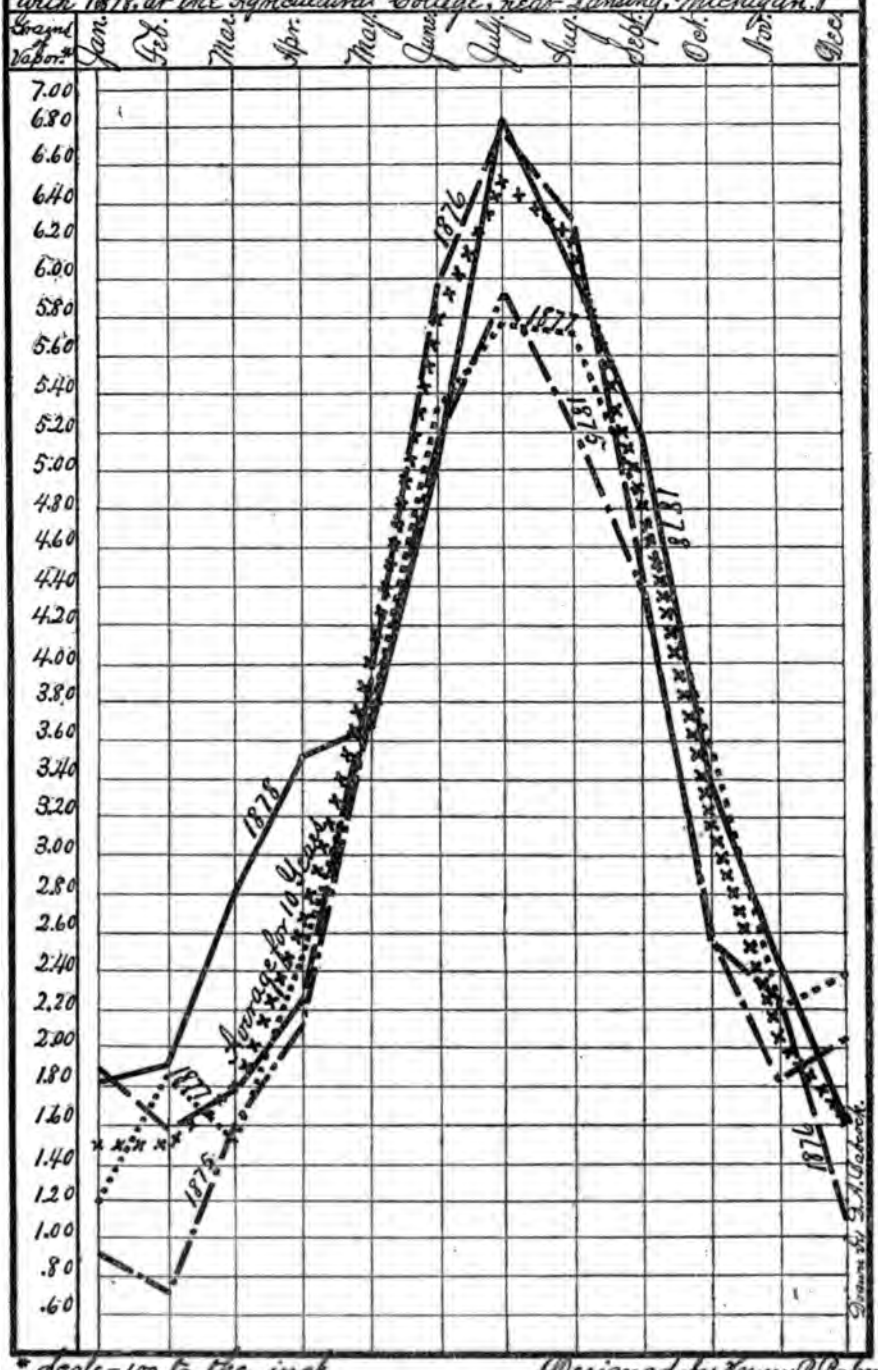
EXHIBIT 11.—ABSOLUTE HUMIDITY.—*Grains of Vapor in a Cubic Foot of Air, by Months, for the Years 1869 to 1878, inclusive, at the Agricultural College, near Lansing, Michigan.*

YEARS.	ANNUAL AVERAGE.	GRAINS OF VAPOR IN CUBIC FOOT OF AIR, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1869	3.42	1.93	1.78	1.49	2.56	3.65	5.52	6.49	6.56	5.13	2.56	1.89	1.82
1870	3.90	1.50	1.35	1.76	3.06	4.92	6.45	7.19	6.54	5.45	3.95	2.22	1.70
1871	3.56	1.63	1.58	2.28	3.00	4.53	5.77	6.35	6.43	4.41	3.48	1.89	1.32
1872	3.70	1.31	1.23	1.32	2.99	4.29	6.78	7.33	7.15	5.57	3.40	1.83	1.13
1873	3.36	1.14	1.43	1.52	2.71	4.00	5.85	6.45	6.29	4.50	2.92	1.73	1.82
1874	3.36	1.58	1.55	2.00	2.08	3.77	6.07	6.00	5.75	4.72	3.15	2.06	1.55
1875	3.11	0.92	0.73	1.63	2.12	3.74	5.17	5.91	5.22	4.38	2.57	1.84	2.05
1876	3.40	1.88	1.57	1.78	2.26	3.93	5.95	6.76	6.31	4.43	2.56	2.26	1.09
1877	3.45	1.19	1.85	1.53	2.47	3.79	5.32	5.76	5.74	4.82	3.59	2.22	2.39
1878	3.69	1.82	1.91	2.80	3.51	3.68	5.05	6.83	6.06	5.18	3.38	2.44	1.63
Av. for 10 y'rs.[a]	3.50	1.50	1.50	1.81	2.68	4.03	5.79	6.51	6.21	4.86	3.16	2.04	1.62

[a] Average for 10 years ending with 1878.

Diagram No. 7.

Humidity of Atmosphere (Grains of Vapor in Cubic Foot of Air), by months, for the Years 1875, 1876, 1877, and 1878, and the Average for 10 years ending with 1878, at the Agricultural College, near Lansing, Michigan.

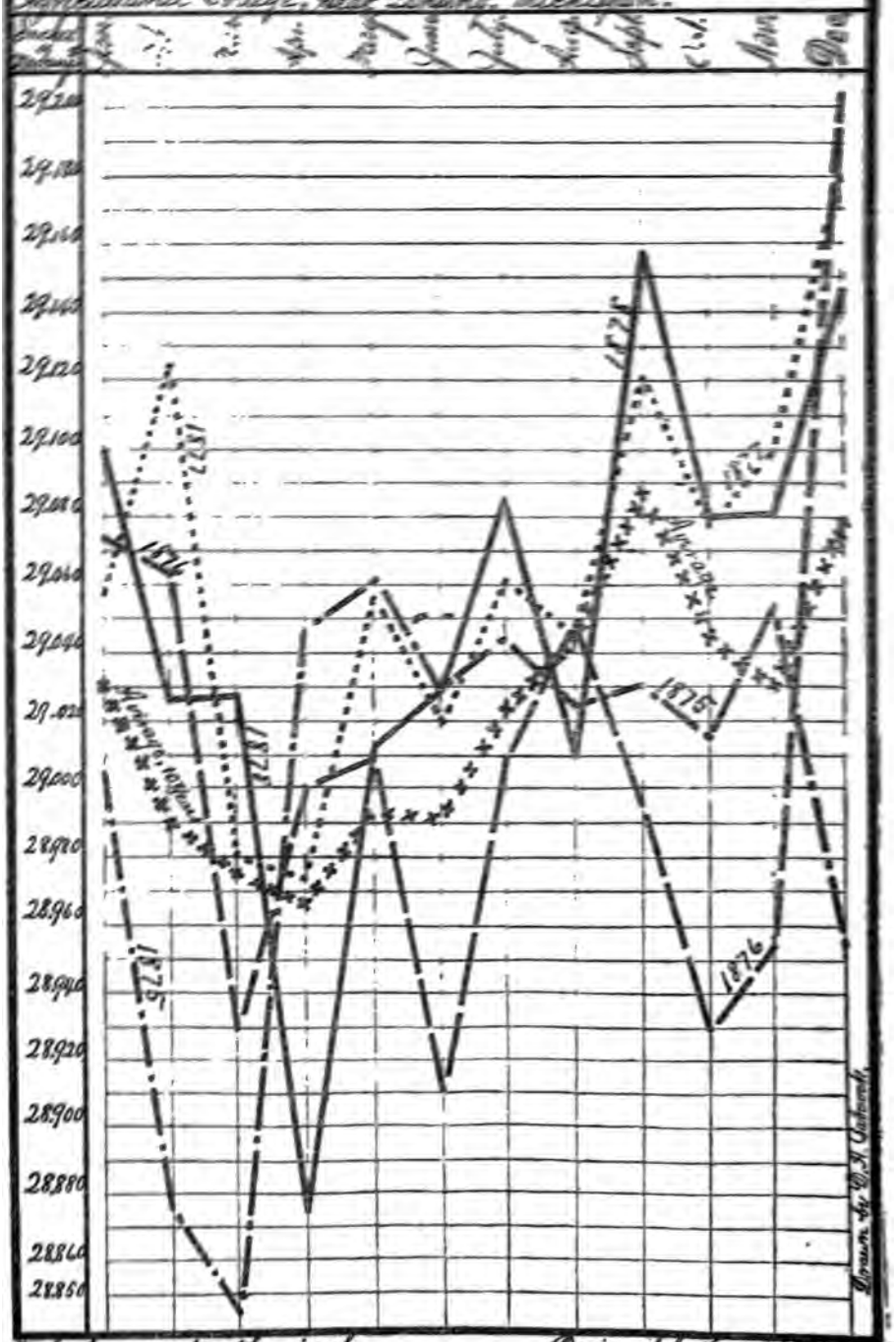


* Scale = 100 to the inch.

Designed by Henry B. Baker.

Diagram No. 1.

Atmospheric Pressure, by months for the years 1875, 1876, 1877 and 1878, and the average for 3 years ending with 1878, at the Agricultural College, Ingham County, Michigan.



* Scale = .055 to the inch.

Designed by Henry B. Baker.

EXHIBIT 12.—PRESSURE OF THE ATMOSPHERE.—*Observations of Barometer reduced to freezing point, and corrected for instrumental error (+.12) previous to 1875, for each of the years 1869 to 1878, inclusive, and the Average for 10 years ending with 1878, at the Agricultural College, near Lansing, Michigan. (Based upon Observations made by Prof. R. C. Kedzie.)*

YEARS.	ANNUAL AVERAGE.	PRESSURE OF THE ATMOSPHERE, STATED IN INCHES OF MERCURIAL COLUMN, BY MONTHS.											
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
1869..	29.007	28.950	28.959	29.054	28.947	28.869	28.976	28.964	29.088	29.140	29.040	28.983	29.119
1870..	28.996	28.987	28.927	28.965	29.022	28.977	29.000	28.956	29.010	29.142	29.059	29.023	28.892
1871..	28.938	29.023	28.936	28.930	28.842	29.024	28.985	29.011	29.027	29.158	29.029	29.084	29.000
1872..	29.007	28.958	28.962	29.031	28.972	28.988	28.939	29.044	29.087	29.010	29.099	29.001	29.112
1873..	28.994	28.993	28.967	28.972	28.918	28.946	28.960	29.034	29.047	29.048	29.037	28.953	29.049
1874..	29.055	29.168	29.018	29.015	29.061	28.984	28.998	29.027	29.044	29.066	29.073	29.057	29.121
1875..	28.998	29.005	28.875	28.844	29.047	29.061	29.029	29.044	29.025	29.031	29.016	29.054	28.955
1876..	29.010	29.073	29.063	28.929	29.000	29.009	28.911	29.009	29.048	28.995	28.920	28.953	29.203
1877..	29.066	29.057	29.124	28.981	28.974	29.056	29.020	29.062	29.046	29.121	29.077	29.089	29.180
1878..	29.053	29.099	29.026	29.027	28.875	29.013	29.030	29.085	29.010	29.157	29.080	29.081	29.147
Av..[a]	29.017	29.031	28.989	28.975	28.966	28.993	28.991	29.024	29.043	29.087	29.044	29.029	29.078

[a] Average for 10 years ending with 1878.

TABLE XXX.—*Exhibiting, for the Year, for each Month, and an Average Month, during the Year 1878, the Average Height and Range of Barometer, the Direction of the Prevailing Winds, the Relative Humidity, the Per Cent. of Cloudiness; the Number of Days on which it Rained or Snowed, and the Depth of Rain and Melted Snow, in Inches, at the Agricultural College near Lansing, Michigan.*

YEAR AND MONTHS, 1878.	Barometer, Reduced to 32° Fahrenheit,—Average.	Range of Barometer.	Days of Prevailing Winds, 1878.								Relative Humidity, or Per Cent. of Saturation,—Av.	Per Cent. of Cloudiness of Sky,—Average.	Number of Days on which it Rained or Snowed.	Rain and Melted Snow, in Inches.	Ozone—Relative. Maximum = 10.	
			North.	North-east.	East.	South-east.	South.	South-west.	West.	North-west.					Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.
Year, 1878	29.053	1.276	19	45	11	29	15	108	65	61	79	58	134	31.99	3.50	3.42
January	29.099	.709	4	2	1	4	3	7	5	5	81	76	13	1.12	3.74	4.48
February	29.026	1.033	....	8	....	....	....	8	5	5	89	56	12	2.74	5.00	5.33
March	29.027	.942	4	3	2	6	....	7	2	6	83	72	13	3.12	4.68	4.94
April	28.875	.929	2	5	1	6	....	7	3	6	69	59	12	3.76	4.37	4.53
May	29.013	.741	....	4	....	3	2	6	8	8	61	54	12	3.44	3.97	4.10
June	29.030	.677	2	3	3	....	2	12	4	4	73	45	8	3.15	3.17	3.00
July	29.085	.611	2	7	2	2	....	9	6	3	68	37	12	2.96	2.10	1.74
August	29.010	.434	....	5	1	....	3	10	7	5	74	40	8	1.85	2.32	1.52
September	29.157	.903	2	1	....	2	2	13	8	2	78	45	7	3.43	2.23	1.60
October	29.080	.684	1	1	....	2	3	12	7	4	76	54	12	1.99	2.71	1.97
November	29.081	.904	2	3	1	2	....	5	3	9	87	68	10	2.16	3.17	3.14
December	29.147	1.062	....	3	....	2	....	12	7	4	95	89	15	2.27	4.55	4.74
Monthly Av.	29.053	.802	1.58	3.75	.92	2.42	1.25	9.00	5.42	5.08	79	58	11.17	2.67	3.50	3.42

TABLE XXXII.—*Some Meteorological conditions at Certain Localities in Michigan, by Months, during the Year 1878.*

YEAR AND MONTHS, 1878.	DETROIT, MICH.				ESCANABA, MICH.				GRAND HAVEN, MICH.				MARQUETTE, MICH.			
	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.	Average Barometer.	Average Temperature,—Fahr.	Total Rainfall, in Inches.	Prevailing Winds.
YEAR, 1878	29.267	49.8	43.39	S. W.	29.290	44.6	32.73	N.	29.289	50.3	33.75	N. W.	29.199	46.3	36.19	N. W.
January	29.317	28.0	3.04	W.	29.360	22.5	0.31	N.	29.353	31.9	1.34	S.	29.266	24.7	1 58	N. W.
February	29.249	29.9	2.58	S. W.	29.307	27.5	0.89	N.	29.259	34.0	1.42	E.	29.169	33.1	1.25	N. W.
March	29.239	40.9	3.31	S. W.	29.281	35.3	0.78	N.	29.250	42.9	4.51	S. E.	29.144	39.7	1 62	N. W.
April	29.096	53.3	2.06	N. E.	29.126	44.1	5.13	N.	29.113	52.0	2.10	S. E.	29.071	44.6	3.73	N. W.
May	29.235	56.0	2.77	W.	29.247	48.1	3.99	S.	29.262	53.1	2.57	N. W.	29.178	47.9	1.73	N. W.
June	29.254	64.9	3.36	S. W.	29.272	59.4	6.49	S.	29.276	62.7	1.85	N.	29.215	59.0	8.63	N. W.
July	29.288	73.9	8.76	S. W.	29.323	71.1	1.56	N.	29.323	73.0	2.27	N. W.	29.258	70.2	1.78	N. W.
August	29.221	71.6	2.92	S. W.	29.229	67.6	2.28	S.	29.244	70.4	3.35	N. W.	29.161	68.7	2.56	N. W.
September	29.338	64.4	3.74	S. W.	29.353	58.4	6.15	S.	29.387	62.9	3.04	S.	29.273	59.4	5.37	N. W.
October	29.315	51.7	2.80	S. W.	29.253	44.5	4.17	N. W.	29.318	51.2	6.27	S.	29.163	46.6	4.44	W.
November	29.308	39.4	3.10	W.	29.423	35.9	0.75	N. W.	29.349	41.6	1.44	E.	29.267	38.4	1.04	S. E.
December	29.289	23.6	4.83	W.	29.306	20.5	0.23	N. W.	29.319	27.5	3.59	N. W.	29.224	23.1	2.46	N. W.
Average Month	29.267	49.8	3.62	.....	29.290	44.6	2.73	.....	29.289	50.3	2.81	.....	29.199	46.3	3.02	.....

Table XXXII. is made from data obtained from the "Annual Report of the Chief Signal Officer to the Secretary of War," for the years 1878 and 1879.

EXHIBIT 13.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes during the Years 1869–1878, Per Cent. of Deaths to the Estimated Population*[a] *in each Year, and some coincident Meteorological conditions, at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Years 1869-1878 in Order by Per Cent. of Reported Deaths from All Causes to Estimated Inhabitants, Year of Greatest Death-rate First.	Estimated Inhabitants.[a]	Deaths Reported.		Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.—Monthly Average's.		Ozone,—Relative. Maximum = 10.		Barometer Reduced to 32° Fahrenheit,—Average.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
		Number.	Per Cent. of Deaths to Estimated Inhabitants	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[b]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.			Range of Barometer. Annual.	Range of Barometer. Average Daily.	Average Pressure.
More than the Av. Death-rate. 1873	1,358,848	14,258	1.05	14.37	17.67	44.54	80	3.36	4.02	4.63	28.874	31.745	1.307	.141	28.874
1872	1,297,073	13,371	1.03	15.31	18.14	45.51	83	3.70	2.82	4.24	28.887	26.853	1.902	.123	28.887
1870	1,184,282	10,766	.91	17.11	19.03	[c] 49.10	81	3.90	.....	.....	28.876	37.757	1.366	.....	28.876
1874	1,422,578	12,500	.88	15.65	18.27	[c] 47.05	78	3.36	4.10	3.99	28.935	22.939	2.069	.130	28.935
Average	1,395,065	12,002	.87	15.17	17.84	46.54	80	3.50	3.76	4.11	28.918	30.808	2.069	.132	28.918
Less than the Average Death-rate. 1869	1,057,608	9,145	.86	15.00	.....	[c] 46.27	81	3.49	.....	.....	28.887	33.153	1.660	.....	28.887
1876	1,559,145	12,576	.81	13.60	16.33	[c] 46.17	81	3.40	3.68	4.11	29.010	30.553	1.860	.138	29.010
1875	1,489,297	11,990	.81	15.34	17.55	[c] 43.09	79	3.11	4.53	5.04	29.003	28.437	1.628	.306	29.003
1877	1,632,269	12,919	.79	15.12	17.53	47.42	80	3.45	3.66	3.33	29.066	37.420	1.539	.109	29.066
1871	1,239,825	9,728	.78	16.52	19.97	47.93	80	3.56	.....	.....	28.884	27.210	6.079	.....	28.884
1878	1,708,822	12,765	.75	13.63	16.05	48.29	79	3.69	3.50	3.42	29.053	31.990	1.276	.115	29.053

[a] Population estimated from Censuses of 1860 and 1870.
[b] See foot-note to Exhibit K, page 258.
[c] Exceptions to the proposition that the temperature was *less* than the average in years in which the death-rate was *greater* than the average, and *vice versa*.

EXHIBIT 14.—ALL CAUSES.—*Deaths Returned as having occurred in Michigan from All Causes, by Months, during the Year 1878, and some coincident Meteorological conditions at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Months in Order by Number of Reported Deaths from All Causes, Greatest First.	Deaths Reported from All Causes, 1878. Number. Total.	Males.	Females.	Unknown.	Per Cent. of Total. Total.	Males.	Females.	Unknown.	Temperature,—Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M. Average Range. Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Ozone,—Relative. Maximum=10. Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere.—Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly, and Year.	Average Daily.	Average Pressure.
Year, 1878.....[b]	12,742	6,620	6,070	52	100.00	100.00	100.00	100.00	13.63	16.05	48.29	79	3.69	3.50	3.42	31.99	1.276	.115	29.053
More than the Av. No. of Deaths. August..	1,371	726	642	3	10.76	10.97	10.58	5.77	17.71	19.74	70.15	74	6.06	2.32	1.52	1.85	.434	.065	g 29.010
Dec.....	1,369	727	632	10	10.74	10.98	10.41	19.23	7.90	c 9.55	d 21.29	95	1.62	f 4.55	f 4.74	2.27	1.062	.142	29.147
Sept.....	1,343	691	645	7	10.54	10.44	10.63	13.46	17.43	20.30	63.15	78	5.18	2.23	1.69	e 3.43	.903	.103	29.157
October.	1,190	607	577	6	9.34	9.17	9.51	11.54	16.03	18.58	48.33	76	3.38	2.71	1.97	1.99	.684	.132	29.080
Nov.....	1,181	617	562	2	9.28	9.32	9.26	3.85	11.57	c 12.60	d 36.29	87	2.44	3.17	3.14	2.16	.904	.134	29.081
Average	1,062	552	506	4	8.33	8.33	8.33	8.33	13.63	16.05	48.29	79	3.69	3.50	3.42	2.67	.802	.115	29.053
Less than the Av. No. of Deaths. April.....	1,029	562	459	8	8.07	8.49	7.56	15.38	14.07	15.77	d 50.55	69	3.51	4.37	4.53	3.76	.929	.080	28.875
July.....	1,017	528	488	1	7.98	7.98	8.04	1.92	14.32	c 18.10	d 73.04	68	6.83	f 2.10	f 1.74	2.96	.611	.068	g 29.085
March...	930	461	466	3	7.30	6.96	7.68	5.77	12.06	c 16.77	40.80	83	2.80	4.68	4.94	3.12	.942	.181	29.027
May.....	923	484	437	2	7.24	7.31	7.20	3.85	13.08	15.45	d 54.57	61	3.68	3.97	4.10	3.44	.741	.100	29.013
June....	879	441	427	2	6.83	6.66	7.03	3.85	15.80	c 18.73	d 64.08	73	5.05	f 3.17	f 3.00	3.15	.677	.100	29.030
Feb.....	789	407	379	3	6.19	6.15	6.24	5.77	14.59	15.93	28.07	89	1.91	5.00	5.33	2.74	1.033	.123	29.026
Jan.....	730	369	356	5	5.73	5.57	5.86	9.61	9.60	11.03	29.11	89	1.82	3.74	4.48	e 1.12	.709	.146	g 29.099

[a] See foot-note to Exhibit K, page 238. [b] Excluding Deaths in unknown month. [c] Exceptions to the proposition that the Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [d] Exceptions to the proposition that the Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [e] Exceptions to the proposition that the Rain-fall was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*. [g] Exceptions to the proposition that the Atmospheric Pressure, as indicated by the Barometer, was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT K.—CROUP.—*Deaths Returned as having Occurred in Michigan from Croup, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup, Greatest First.	Deaths from Croup, 1878.		Temperature, Fahr.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, etc.,—Monthly Averages.				Ozone,—Relative. Maximum=10.			
			Average Range.										
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[b]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[c]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Rain-fall, in Inches.	Average Pressure of Atmosphere, Barometer Reduced to 32° Fahrenheit.
Year, 1878	[d]236	100.00	13.63	16.05	48.29	79	8.69	2.31	9.37	3.50	3.42	31.99	29.053
More than the Av. No. of Deaths. December	45	19.07	7.90	9.55	21.29	95	1.62	1.01	10.67	4.55	4.74	2.27	29.147
November	43	18.22	11.57	12.60	36.29	87	2.44	1.53	10.15	3.17	3.14	2.16	29.061
October	27	11.44	16.03	18.58	[e]48.33	76	3.38	2.11	9.57	2.71	1.97	1.99	29.080
January	23	9.75	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	29.099
September	21	8.90	17.43	20.30	[e]63.15	78	5.18	[f]3.24	8.44	2.23	1.60	3.43	29.157
Average	20	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	2.67	29.053
Less than the Average No. of Deaths. April	15	6.36	14.07	15.77	50.55	69	3.51	[f]2.19	9.49	4.37	4.53	3.76	28.975
February	13	5.51	14.59	15.93	[e]28.07	89	1.91	[f]1.19	10.49	5.00	5.33	2.74	29.026
March	11	4.66	12.06	16.77	[e]40.90	83	2.80	[f]1.75	9.93	4.68	4.94	3.12	29.027
May	11	4.66	13.08	15.45	54.57	61	3.68	[f]2.30	9.38	3.97	4.10	3.44	29.013
July	11	4.66	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	2.96	29.065
June	8	3.39	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	3.15	29.030
August	8	3.39	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.83	29.010

[a] Computed in the office of the State Board of Health from readings of the dry-bulb and wet-bulb thermometers.
[b] Calculated for 18 respirations per minute, of 20 cubic inches of air each.
[c] Assuming the air exhaled to be saturated with vapor at the temperature of 98° F., each cubic foot containing 18.69 grains, 18 respirations per minute, of 20 cubic inches of air each, making 11.68 Troy ounces of vapor exhaled daily. No correction made for expansion of air after being inhaled.
[d] Includes 37 deaths from Membranous Croup.
[e] Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months when the temperature was *less* than the average, and *vice versa*.
[f] Exceptions to the proposition that *more* than an average number of deaths from croup occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*. It should be borne in mind that probably a *less* proportion of the deaths were returned for months in early part of the year.

Croup.—This disease is reported to have caused 236 deaths in this State in 1878,—1.85 per cent. of the deaths from all causes. This is the largest number ever returned as having died from croup in this State. The increase in the number returned for 1878 over the number returned for any previous year is very marked. The annual average number for the nine years preceding 1878 is 152, which is only 64.41 per cent. of the number returned for 1878.

In 1878, the largest number of deaths from croup occurred in December, and 48.73 per cent. occurred during the last three months of the year. One hundred and ninety-five of the 236 decedents from this disease (or 82.63 per cent.) were under 5 years of age.

The range of temperature during the year 1878, at the Michigan Agricultural College, was 105 degrees,—from 98° in July to −7° in February.

Croup and Diphtheria.—The number of deaths from croup and diphtheria combined may be studied in Exhibit L in connection with some coincident meteorological conditions.

EXHIBIT L.—CROUP AND DIPHTHERIA.—*Deaths in Michigan from Croup and Diphtheria, by Months, during the year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Croup and Diphtheria, Greatest First.	Deaths from Croup and Diphtheria, 1878.		Temperature,—Fahr.; Mean of Three Daily Observations, — 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10		Average Pressure of Atmosphere. Barometer Reduced to 32° Fahr.
			Average Range.									
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1878	[b] 1,121	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
More than the Average No. of Deaths.												
Nov.	177	15.79	11.57	12.60	36.29	87	2.44	1.53	10.15	3.17	3.14	29.061
Dec.	172	15.34	7.90	9.55	21.29	95	1.62	1.01	10.67	4.55	4.74	29.147
Oct.	158	14.09	16.03	18.58	[c] 48.33	76	3.38	2.11	9.57	2.71	1.97	29.080
Sept.	134	11.95	17.43	20.30	[c] 63.15	78	5.18	[d] 3.24	8.44	2.23	1.60	29.157
Average	93	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
Less than the Average No. of Deaths.												
Jan.	79	7.05	9.00	11.03	[c] 29.11	89	1.82	[d] 1.14	10.54	3.74	4.48	29.099
Feb.	76	6.78	14.59	15.93	[c] 28.07	89	1.91	[d] 1.19	10.49	5.00	5.33	29.026
Aug.	66	5.89	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	29.010
March	62	5.53	12.06	16.77	[c] 40.90	83	2.80	[d] 1.75	9.93	4.68	4.94	29.027
April	55	4.91	14.07	15.77	50.55	69	3.51	[d] 2.19	9.49	4.37	4.53	29.875
May	53	4.73	13.08	15.45	54.57	61	3.68	[d] 2.30	9.38	3.97	4.10	29.013
July	47	4.19	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	29.085
June	42	3.75	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	29.030

[a] See foot-note to Exhibit K, page 258.
[b] Excluding 2 deaths from Diphtheria in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which the mean temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths from Croup and Diphtheria occurred in months in which there was *less* than the average quantity of vapor inhaled, and *vice versa*.

EXHIBIT M.—DIPHTHERIA.—*Deaths from Diphtheria Returned as having occurred in Michigan during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Diphtheria, Greatest First.	Deaths from Diphtheria, 1878.		Temperature,—Fahr.; Mean of three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum =10.		Average Pressure of Atmosphere. Barometer Reduced to 32° Fahrenheit.
			Average Range.									
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1878	[b] 885	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.063
More than Av. No. of Deaths. November	134	15.14	11.57	12.60	36.29	87	2.44	1.53	10.15	3.17	3.14	29.061
October	131	14.80	16.03	18.58	[c] 48.33	76	3.38	2.11	9.57	2.71	1.97	29.080
December	127	14.35	7.90	9.55	21.29	95	1.02	1.01	10.67	4.55	4.74	29.147
September	113	12.77	17.43	20.30	[c] 63.15	78	5.18	[d] 3.24	8.44	2.23	1.60	29.157
Average	74	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
Less than the Average Number of Deaths. February	63	7.12	14.59	15.93	[c] 28.07	89	1.91	[d] 1.19	10.49	5.00	5.33	29.026
August	58	6.55	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	29.010
January	56	6.33	9.00	11.03	[c] 29.11	89	1.82	[d] 1.14	10.54	3.74	4.48	29.069
March	51	5.76	12.06	16.77	[c] 40.90	83	2.80	[d] 1.75	9.93	4.69	4.94	29.027
May	42	4.75	13.08	15.45	54.57	61	3.68	[d] 2.30	9.38	3.97	4.10	29.013
April	40	4.52	14.07	15.77	50.55	69	3.51	[d] 2.19	9.49	4.37	4.53	28.875
July	36	4.07	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	29.065
June	31	3.84	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	29.030

[a] See foot-notes to Exhibit K, page 258.
[b] Excluding 2 deaths in unknown month.
[c] Exceptions to the proposition that *more* than an average number of deaths occurred in months in which the temperature was *less* than the average, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths occurred in months in which *less* than an average quantity of vapor was inhaled, and *vice versa*.

DIPHTHERIA.—The mortality from this disease in 1878 was very great, 887 deaths having been returned for 1878. This is 6.95 per cent. of the deaths from all causes, and the largest number ever returned to the State Department. The order of the years 1869–1878, those first in order which show the least number of deaths from diphtheria, is as follows: 1869, 89; 1870, 121; 1871, 121; 1872, 192; 1875, 207; 1874, 213; 1873, 217; 1876, 311; 1877, 593; 1878, 887. It therefore appears that the number in 1878 is greatly in excess of the number returned for any previous year. The annual average number returned for the nine years 1869–1877 was 229, which is only 25.82 per cent. of the number returned for 1878. In the remarks on croup on a previous page, a similar though not so great increase in the number of deaths

from croup in 1878 over the annual average for the nine years 1869–1877 was noticed.

In 1878 the largest number occurred in November, and during the last four months of the year 56.94 per cent. of all the deaths from this disease occurred, as shown by the tables and exhibits; 41.26 per cent. of all decedents from diphtheria in 1878 in this State were under 5 years of age, and 76.10 per cent. were under 10 years of age.

Exhibit M contains data concerning deaths from diphtheria, and coincident meteorological conditions.

Cerebro-spinal Meningitis.—There were only eight deaths returned as having been caused by this disease in this State in 1878,—the smallest number returned since 1871. Four of these eight deaths occurred in March. Exhibit V shows, by months, by sex, the number of deaths from each of several diseases in 1878, which diseases are grouped together in Exhibit 15, and may there be studied in their relation to certain coincident meteorological conditions by months.

EXHIBIT V.—CEREBRO-SPINAL MENINGITIS, ETC.—*The Total Number of Deaths Returned as having occurred from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, in Michigan during the Year 1878, by Months, and by Sex.*

CAUSES OF DEATH.	SEX.	YEAR, 1878.	MONTHS, 1878.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Total	Total	109	6	6	14	9	12	7	6	13	14	7	8	7
	Males	52	4	3	3	3	6	3	3	5	8	5	6	3
	Fema's	57	2	3	11	6	6	4	3	8	6	2	2	4
Cerebro-spinal Meningitis	Total	8	1	1	4	.....	1	.....	.....	.....	.....	.....	1	.....
	Males	5	1	.....	2	.....	1	.....	.....	.....	.....	.....	1	.....
	Fema's	3	.....	1	2	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spotted Fever	Total	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Males	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
	Fema's	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spinal Meningitis	Total	28	2	2	4	1	3	2	3	2	2	3	3	1
	Males	15	2	2	.....	1	2	.....	2	.....	1	2	2	1
	Fema's	13	.....	.....	4	.....	1	2	1	2	1	1	1	.....
Meningitis	Total	10	.....	.....	1	2	.....	1	1	2	1	.....	1	1
	Males	7	.....	.....	1	1	.....	1	1	.....	1	.....	1	1
	Fema's	3	.....	.....	.....	1	.....	.....	.....	2	.....	.....	.....	.....
Spinal Fever	Total	63	3	3	5	6	8	4	2	9	11	4	3	5
	Males	25	1	1	.....	1	3	2	.....	5	6	3	2	1
	Fema's	38	2	2	5	5	5	2	2	4	5	1	1	4

EXHIBIT 15.—CEREBRO-SPINAL MENINGITIS, ETC.—*Deaths Returned as having occurred in Michigan from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Cerebro-spinal Meningitis, Spotted Fever, Spinal Meningitis, Meningitis, and Spinal Fever, Greatest First.	Deaths from Cerebro-Spinal Meningitis, etc., 1878.		Temperature.—Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M. and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.		Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Average Range.								Range of Barometer.		
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1878...	109	100.00	13.63	16.05	48.29	79	3.69	3.50	3.42	31.99	1.276	.115	29.053
More than Av. No. of Deaths. March.	14	12.84	[b] 12.06	16.77	40.90	[e] 83	[f] 2.80	[g] 4.68	[g] 4.94	3.12	.942	.181	29.027
Sept...	14	12.84	17.43	20.30	[d] 63.15	78	5.18	2.23	1.60	3.43	.903	.103	[h] 29.157
Aug...	13	11.93	17.71	19.74	[d] 70.15	74	6.06	2.32	1.52	1.85	.434	.065	29.019
May...	12	11.01	[b] 13.08	[c] 15.45	[d] 54.57	61	[f] 3.68	[g] 3.97	[g] 4.10	3.44	.741	.100	29.013
Average	9.1	8.33	13.63	16.05	48.29	79	3.69	3.50	3.42	2.67	.802	.115	29.053
Less than the Av. No. of Deaths. April..	9	8.26	[b] 14.07	15.77	50.55	[e] 69	3.51	4.37	4.53	3.76	.929	.080	[h] 28.875
Nov....	8	7.34	11.57	12.60	[d] 36.29	87	2.44	[g] 3.17	[g] 3.14	2.16	.904	.134	29.081
June..	7	6.42	[b] 15.80	[c] 18.73	64.08	[e] 73	[f] 5.05	[g] 3.17	[g] 3.00	3.15	.677	.100	[h] 29.030
Oct....	7	6.42	[b] 16.03	[c] 18.58	48.33	[e] 76	3.38	[g] 2.71	[g] 1.97	1.99	.684	.132	29.080
Dec....	7	6.42	7.90	9.55	[d] 21.29	95	1.62	4.55	4.74	2.27	1.062	.142	29.147
Jan....	6	5.50	9.00	11.03	[d] 29.11	89	1.82	3.74	4.48	1.12	.709	.146	29.099
Feb....	6	5.50	[b] 14.59	15.93	[d] 28.07	89	1.91	5.00	5.33	2.74	1.033	.123	[h] 29.026
July...	6	5.50	[b] 14.32	[c] 18.10	73.04	[e] 68	[f] 6.83	[g] 2.10	[g] 1.74	2.96	.611	.068	29.085

[a] See foot-note to Exhibit K, page 258.
[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Temperature was *lower* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[g] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[h] Exceptions to the proposition that the Atmospheric Pressure indicated by the barometer, was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Congestive Chills and Intermittent Fever.—The subject of the relation of certain coincident meteorological conditions to deaths from congestive chills in Michigan in 1878 may be studied in Exhibit U. The month of September shows the largest number of deaths from this disease, and in January there were no deaths returned from congestive chills.

EXHIBIT U.—CONGESTIVE CHILLS.—*Deaths Returned as having occurred in Michigan from Congestive Chills by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Congestive Chills, Greatest First.		Deaths from Congestive Chills, 1878.		Temperature, Fahr.: Mean of 3 daily observations, 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
				Average Range.										Range of Barometer.		
		Number.	Per Cent. of Total.	Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.a	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.a	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1878.		64	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	31.99	1.276	.115	29.053
More than Av. No. of Deaths.	Sept..	14	21.88	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	3.43	.903	[i] .103	29.157
	Dec...	8	12.50	[b] 7.90	[c] 9.55	[d] 21.29	95	[e] 1.62	1.01	10.67	[f] 4.55	[f] 4.74	2.27	1.062	.142	29.147
	July .	7	10.94	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	2.96	[h] .611	[i] .068	29.085
	Aug...	7	10.94	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.85	[h] .434	[i] .065	[g] 29.010
	June.	6	9.38	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	3.15	[h] .677	[i] .100	[g] 29.030
Average....		5.3	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	2.67	.802	.115	29.053
Less than the Av. No. of Deaths.	Oct...	5	7.81	[b] 16.03	[c] 18.58	[d] 48.33	76	3.38	2.11	9.57	[f] 2.71	[f] 1.97	1.99	.684	[i] .132	[g] 29.080
	Nov..	5	7.81	11.57	12.60	36.29	87	2.44	1.53	10.15	[f] 3.17	[f] 3.14	2.16	[h] .904	[i] .134	[g] 29.081
	Mar..	4	6.25	12.06	[c] 16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	3.12	[h] .942	[i] .181	29.027
	Apr...	3	4.69	[b] 14.07	15.77	[d] 50.55	69	3.51	2.19	9.49	4.37	4.53	3.76	[h] .929	.080	28.875
	May .	3	4.69	13.03	15.45	[d] 54.57	61	3.68	2.30	9.38	3.97	4.10	3.44	.741	.100	29.013
	Feb...	2	3.13	[b] 14.59	15.93	28.07	89	1.91	1.19	10.49	5.00	5.33	2.74	[h] 1.033	[i] .123	29.026
	Jan...	....	.....	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	.709	[i] .146	[g] 29.099

[a] See foot-notes to Exhibit K, page 258.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exception to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[h] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[i] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

EXHIBIT 22.—CEPHALITIS.—*Deaths Returned as having occurred in Michigan, from Cephalitis, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Cephalitis, Greatest First.	Deaths from Cephalitis, 1878.		Temperature,—Fahr.; Mean of Three Daily Observations, 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Rain-fall in Inches.	Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent of Total.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight in Troy Ounces, of Vapor exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		
Year, 1878	225	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	31.99	29.053
More than the Average Number of Deaths. August	28	12.44	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.85	29.010
September	27	12.00	17.43	20.30	63.15	78	5.18	3.24	8.41	2.23	1.60	3.43	29.157
February	22	9.78	14.59	c 15.93	d 28.07	e 89	f 1.91	1.19	10.49	g 5.00	g 5.33	2.74	29.035
June	22	9.78	15.80	18.73	64.08	73	5.65	3.16	8.52	3.17	3.00	3.15	29.039
November	20	8.89	b 11.57	c 12.66	d 36.29	e 87	f 2.44	1.53	10.15	3.17	3.14	2.16	29.081
April	19	8.44	14.07	c 15.77	50.55	69	f 3.51	2.19	9.49	g 4.37	g 4.53	3.76	28.875
July	19	8.44	14.32	18.10	73.04	68	6.83	4.27	7.41	2.19	1.74	2.96	29.055
December	19	8.44	b 7.90	c 9.55	d 21.29	e 95	f 1.62	1.01	10.67	g 4.55	g 4.74	2.27	29.147
Average	18.8	8.36	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	2.67	29.053
Less than Av. No. of Deaths. October	18	8.00	b 16.03	c 18.58	d 48.33	e 76	3.38	2.11	9.57	g 2.71	g 1.97	1.99	29.080
March	15	6.67	12.06	c 16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	3.12	29.027
May	10	4.44	13.08	15.45	d 54.57	e 61	3.68	2.30	9.38	3.97	4.10	3.44	29.013
January	6	2.67	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	29.080

[a] See foot-notes to Exhibit K, page 258.
[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Relative Humidity was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[g] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Cephalitis.—This disease is reported to have caused 225 deaths in Michigan in 1878,—the smallest number returned for any of the years 1869–1878, except for the year 1871. Nearly one-quarter of all the deaths from cephalitis (inflammation of the brain) in 1878 occurred in August and September,—the months in which the mortality from diarrhea and dysentery was greatest,—and 64.44 per cent. of all the decedents from this disease were under five years of age. This disease may be further studied in connection with certain meteorological conditions in Exhibit 22.

EXHIBIT W.—INTERMITTENT FEVER.—*Deaths returned as having occurred in Michigan from Intermittent Fever, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Intermittent Fever, Greatest First.		Deaths from Intermittent Fever, 1878.		Temperature, Fahr.; Mean of 3 daily observations, 7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
				Average Range.										Range of Barometer.		
		Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1878		b 46	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	31.99	1.276	.115	29.053
More than the Av. No. of Deaths.	Aug.	10	21.74	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.85	i .431	j .065	h 29.010
	Dec.	6	13.04	e 7.90	d 9.55	e 21.29	95	f 1.62	1.01	10.67	g 4.55	g 4.74	2.27	1.062	.142	29.147
	Sept.	5	10.87	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	3.43	.903	j .103	29.157
	Oct.	5	10.87	16.03	18.58	48.33	76	f 3.38	2.11	9.57	2.71	1.97	1.99	i .684	.132	29.060
	Feb.	4	8.70	14.59	d 15.93	e 28.07	89	f 1.91	1.19	10.49	g 5.00	g 5.33	2.74	1.033	.123	h 29.026
	Nov.	4	8.70	e 11.57	d 12.60	e 36.29	87	f 2.44	1.53	10.15	3.17	3.14	2.16	.904	.134	29.081
Average		3.8	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	2.67	.802	.115	29.053
Less than the Average No. of Deaths.	Mar.	3	6.52	12.06	d 16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	3.12	i .942	j .181	29.027
	June.	3	6.52	e 15.80	d 18.73	e 64.08	73	f 5.05	3.16	8.52	g 3.17	g 3.00	3.15	.677	.100	29.080
	July.	3	6.52	e 14.32	d 18.10	e 73.04	68	f 6.83	4.27	7.41	g 2.10	g 1.74	2.96	.611	.068	h 29.085
	April	2	4.35	e 14.07	15.77	e 50.55	69	3.51	2.19	9.49	4.37	4.53	3.76	i .929	.080	28.875
	Jan.	1	2.17	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	.709	j .146	h 29.099
	May.	----	------	13.08	15.45	e 54.57	61	3.68	2.30	9.38	3.97	4.10	3.44	.741	.100	29.013

[a] See foot-note to Exhibit K, page 258.
[b] Excluding 1 death in unknown month.
[c] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months where *more* than the average number of deaths occurred, and *vice versa*.
[d] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[e] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[f] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[g] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[h] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[i] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.
[j] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

The deaths from intermittent fever may be studied, in connection with coincident meteorological conditions, in Exhibit W. The largest number of deaths

from this disease was returned for August, none having been returned for the month of May.

EXHIBIT X.—TYPHOID FEVER.—*Deaths Returned as having occurred in Michigan from Typhoid Fever, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Typhoid Fever, Greatest First.		Deaths from Typhoid Fever, 1878.		Temperature, Fahr.; Mean of Three Daily Observations, 7 A. M., 2 P. M. and 9 P. M.			Humidity of Atmosphere, Etc.,-Monthly Averages.				Ozone,—Relative. Maximum = 10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
				Average Range.										Range of Barometer.		
		Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,- 7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1878..		329	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	31.99	1.276	.115	29.083
More than the Av. No. of Deaths.	Sept..	54	16.41	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	3.43	.903	[i] .103	29.157
	Oct...	52	15.81	16.03	18.58	48.33	76	[e] 3.38	2.11	9.57	2.71	1.97	1.99	[h] .684	.132	29.089
	Aug...	42	12.77	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	1.85	[h] .434	[i] .065	[g] 29.010
	Nov...	41	12.46	[b] 11.57	[c] 12.60	[d] 36.28	87	[e] 2.44	1.53	10.15	3.17	3.14	2.16	.904	.134	29.061
	Dec...	31	9.42	[b] 7.90	[c] 9.55	[d] 21.29	95	[e] 1.62	1.01	10.67	[f] 4.55	[f] 4.74	2.27	1.062	.142	29.147
Average....		27	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	2.67	.802	.115	29.083
Less than the Average Number of Deaths.	May.	21	6.38	13.08	15.45	[d] 54.57	61	3.68	2.30	9.38	3.97	4.10	3.44	.741	.100	29.012
	July..	21	6.38	[b] 14.32	[c] 18.10	[d] 73.04	78	[e] 6.83	4.27	7.41	[f] 2.10	[f] 1.74	2.96	.611	.068	[g] 29.085
	Mar...	16	4.86	12.06	[c] 16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	3.12	[h] .942	[i] .181	29.027
	April.	14	4.26	[b] 14.07	15.77	[d] 50.55	69	3.51	2.19	9.49	4.37	4.53	3.76	[h] .929	.080	28.875
	Feb...	13	3.95	[b] 14.59	15.93	28.07	89	1.91	1.19	10.49	5.00	5.33	2.74	[h] 1.033	[i] .123	29.026
	June..	13	3.95	[b] 13.80	[c] 18.73	[d] 64.08	73	[e] 5.05	3.16	8.52	[f] 3.17	[f] 3.00	3.15	.677	.100	29.030
	Jan....	11	3.34	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	1.12	.709	[i] .146	[g] 29.039

[a] See foot-note to Exhibit K, page 258.

[b] Exceptions to the proposition that the Daily Range of Temperature was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[c] Exceptions to the proposition that the Range of Temperature "from day to day" was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[d] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[e] Exceptions to the proposition that the Absolute Humidity was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[f] Exceptions to the proposition that the Ozone was *less* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[g] Exceptions to the proposition that the Atmospheric Pressure indicated by the Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[h] Exceptions to the proposition that the Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

[i] Exceptions to the proposition that the Average Daily Range of Barometer was *greater* than the average in months when *more* than the average number of deaths occurred, and *vice versa*.

Typhoid Fever.—Three hundred and twenty-nine (329) deaths from typhoid fever were returned as having occurred in this State in 1878,—2.58 per cent. of the deaths from all causes. This is the smallest number of deaths ever returned to the State Department as having been caused by this disease in Michigan in any one year. In 1878, September shows a larger number and proportion of deaths from typhoid fever than any other month, and the decedents aged 15 to 20 years were in excess of those at any other period of life. In Exhibit X the relation of the deaths from typhoid fever to the coincident meteorological conditions may be studied.

Diarrhea.—Only 173 deaths from diarrhea were returned as having occurred in Michigan in 1878,—1.36 per cent. of the deaths from all causes. This is a marked falling off from the number returned for any previous year,—a fact which is mentioned also in regard to typhoid fever, on this page. The average annual number of deaths from diarrhea returned for the nine years 1869–1877 was 335, from which it appears that the number returned for 1878 (173) is only about one-half (51.64 per cent.) of the annual average for the nine preceding years. The largest per cent. in 1878 occurred in August, and 67.05 per cent. occurred during the months of July, August, and September, and of all the decedents from this disease, 87.86 per cent. were under 5 years of age.

Exhibit 16 facilitates the study of the relation of deaths from diarrhea in July and August of each of the years 1872–1878 to the coincident meteorological conditions. According to this Exhibit, a warm, moist atmosphere seems to be attended with a large mortality from diarrhea.

Exhibit 21 affords an opportunity of studying the relations which this disease bears to meteorological conditions during the year 1878.

Table XXI. shows the number of deaths from diarrhea and from dysentery in 1878 in each of eleven geographical divisions of Michigan. The northeastern division of the lower peninsula shows the largest proportion of deaths from diarrhea, and the sout-hwestern was reported to have had no deaths from this disease in 1878.

EXHIBIT 16.—DIARRHEA.—*Deaths in Michigan from Diarrhea in July and August of each of the Years 1873–1878, the Average for Six Years ending with 1878, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.*

JULY AND AUGUST OF EACH OF THE YEARS 1873–1878.		Number of Deaths from Diarrhea.	Temperature,—F.; Mean of 3 Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.		Ozone,—Relative. Maximum =10.		Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Average Range.								Range of Barometer.		
			Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air. a	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.		Monthly.	Average, Daily.	Average Pressure.
Average	July	61	16.33	19.18	72.05	74	6.43	2.39	2.16	2.968	.526	.166	28.992
	August	96	17.27	19.62	69.39	78	6.07	2.65	1.75	2.489	.507	.149	28.992
1873	July	65	15.35	18.68	c 70.82	78	6.45	b 3.59	b 3.06	5.124	.453	.063	j 28.914
	August	105	c 18.55	d 21.32	69.49	81	6.29	b 3.55	b 2.65	f .796	.574	.064	j 28.927
1874	July	61	17.68	21.85	72.02	71	6.00	1.80	1.50	2.560	.465	.078	28.997
	August	104	17.23	19.61	69.39	g 74	h 5.75	b 2.80	1.10	f 1.278	.503	.065	j 28.924
1875	July	56	c 16.26	d 18.26	69.67	g 78	5.91	3.52	3.22	2.420	.564	.096	j 29.044
	August	80	c 16.90	d 18.61	65.48	77	5.22	3.50	3.70	1.470	.806	.052	j 28.025
1876	July	69	15.87	17.90	72.48	78	6.76	2.16	1.58	f 2.100	.507	.070	28.069
	August	98	c 17.74	d 20.97	71.55	g 76	6.31	1.97	1.26	f 1.280	.459	.061	28.048
1877	July	55	18.39	20.42	71.43	70	5.76	2.71	b 1.77	2.250	.655	.068	j 29.088
	August	96	17.45	19.48	68.46	78	5.74	3.42	1.03	6.570	.401	.056	29.046
1878	July	39	c 14.3[illegible]	d 18.10	c 73.04	68	h 6.83	b 2.10	b 1.74	2.960	.611	.068	j 29.085
	August	47	17.71	19.74	c 70.15	74	6.06	b 2.32	b 1.52	1.850	.434	.065	j 28.919

a See foot-note to Exhibit K, page 258.

c Exceptions to the proposition that the Average Daily Range of Temperature was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

d Exceptions to the proposition that the Average Range of Temperature "from day to day" was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

e Exceptions to the proposition that the Average Temperature was *higher* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

f Exceptions to the proposition that the amount of rain and melted snow was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

g Exceptions to the proposition that the Average Relative Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

h Exceptions to the proposition that the Absolute Humidity was *greater* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

i Exceptions to the proposition that the Day or Night Ozone was *less* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

j Exceptions to the proposition that the Atmospheric Pressure was *more* than the average for July or August in months of July or August when *more* than the average number of deaths from Diarrhea occurred, and *vice versa*.

EXHIBIT 21.—DIARRHEA.—*Deaths Returned as having occurred in Michigan from Diarrhea, by Months, during the Year 1878, and some coincident Meteorological conditions at the Agricultural College, near Lansing, Michigan, and near the center of the thickly-settled part of the State.*

Months in Order by Number of Deaths from Diarrhea, Greatest First.	Deaths from Diarrhea, 1878.		Temperature,—Degrees Fahr.			Inches of Rain and Melted Snow.	Humidity of Atmosphere. Av. of Obs. at 7 A. M., 2 P. M., and 9 P. M., daily.		Ozone, Relative.—Scale of 10 Degrees of Coloration.		Average Velocity of Wind, Miles per Hour. By Registering Anemometer. b	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.)		
			Range Av. Daily, and for Year.									Range of Barometer.		
	Number.	Per Cent. of Total.	Of Observations at 7 A. M., 2 P. M., and 9 P. M., Daily.	During Day and Following Night, by Regist'g Thermometer, Obs. at 7 A. M.	Average of Daily Observations at 7 A. M., 2 P. M., and 9 P. M.		Relative Humidity, or Per Cent. of Saturation.	Absolute Humidity,—Grains of Vapor in a Cubic Foot of Air. a	Day Observation,—7 A. M. to 2 P. M.	Night Observation,—9 P. M. to 7 A. M.		Monthly, and for Year.	Average Daily Range of Observations at 7 A. M., 2 P. M., and 9 P. M.	Average Pressure.
Year 1878.....	173	100.00	13.56	20.31	48.29	31.99	79	3.69	3.50	3.42	5.1	1 276	.115	29.053
More than Av. No. of Deaths. Aug...	47	27.17	17.71	27.69	70.15	1.85	74	6 06	2.32	1.52	3.1	j .434	k .065	l 29.010
July .	39	22.54	14.29	22.80	73.04	2.96	68	6.83	2.10	1.74	3.1	j .611	k .068	29.085
Sept...	30	17.34	17.43	24.40	63.15	3.43	78	5.18	2.23	1.60	4.8	.903	k .103	29.157
Average.....	14	8.09	13.56	20.31	48.29	2.67	79	3.69	3.50	3.42	5.1	.802	.115	29.053
Less than the Average No. of Deaths. Oct...	12	6.94	c 15.77	c 22.00	d 48.33	1.99	e 76	3.38	g 2.71	h 1.97	6.2	.684	k .132	l 29.080
June.	10	5.78	c 15.80	c 24.70	d 64.08	3.15	e 73	f 5.05	g 3.17	h 3.00	i 4.3	.677	.100	29.030
Nov...	7	4.05	11.57	15.70	36.29	2.16	87	2.44	g 3.17	h 3.14	i 5.0	j .904	k .134	29.081
Dec...	7	4.05	7.90	12.00	21.29	2.27	95	1.62	4.55	4.74	....	j 1.062	k .142	l 29.147
March	5	2.89	12.06	16.10	40.90	3.12	83	2.80	4.68	4.94	6.7	j .942	k .181	29.027
May..	5	2.89	13 08	c 22.17	d 54.57	3.44	e 61	3.68	3.97	4.10	5.6	.741	.100	29.013
Jan....	4	2.31	8.74	12.11	29.11	1.12	89	1.82	3.74	4.48	5.7	.709	k .146	l 29.099
April.	4	2.31	c 14.07	20.07	d 50.55	3.76	e 69	3.51	4.37	4.53	6.8	j .929	.080	28.875
Feb...	3	1.73	c 14.55	c 20.50	28.07	2.74	89	1.91	5.00	5.33	i 5.0	j 1.033	k .123	29.026

a See foot-note to Exhibit K, page 258.

b The observations of the Velocity of the Wind were made at the office of the State Board of Health, Lansing.

c Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Range of Temperature was *greater* than the average, and *vice versa*.

d Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Temperature was *higher* than the average, and *vice versa*.

e Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Relative Humidity of the Atmosphere was *less* than the average, and *vice versa*.

f Exception to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Absolute Humidity of the Atmosphere was *greater* than the average, and *vice versa*.

g Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Amount of Ozone in the Atmosphere, as indicated by the Day observations, was *less* than the average, and *vice versa*.

h Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Amount of Ozone in the Atmosphere, as indicated by the Night observations, was *less* than the average, and *vice versa*.

i Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Velocity of the Wind was *less* than the average, and *vice versa*.

[Foot notes to Exhibit 21 continued at bottom of page 270.]

Dysentery.—This disease is reported to have caused 158 deaths in Michigan in 1878,—the smallest number returned for any of the years 1869–1878. The annual average for the nine years 1869–1877 was 271, which is 113 more than the number returned for 1878. The largest proportion occurred in August, as was the case with diarrhea, and 75.31 per cent. of the deaths from dysentery occurred in the months of July, August, and September; 80.38 per cent. of all the decedents from this disease were under 5 years of age.

An examination of Table XXI. will show that the portion of the State most extensively affected by dysentery in 1878 was the north-eastern division, as was also the case with diarrhea, and the least proportion is shown for the southern-central division.

TABLE XXI.—DIARRHEA AND DYSENTERY.—*Exhibiting for the State and for Eleven Geographical Divisions of the State, during the Year 1878, the Number of Deaths Returned as having occurred from Diarrhea and from Dysentery, and the Per Cent. of Deaths from each Disease to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	DIARRHEA, 1878, ACUTE AND CHRONIC.		DYSENTERY, 1878, ACUTE AND CHRONIC.	
	Number of Deaths, 1878.	Per Cent. of Deaths from All Causes, by Geographical Divisions.	Number of Deaths, 1878.	Per Cent. to Deaths from All Causes, by Geographical Divisions.
STATE	173	1.36	158	1.24
Upper-peninsular	7	.99	4	.56
Northwestern	11	3.57	7	2.27
Northern	1	.44	5	2.21
Northeastern	8	4.91	6	3.68
Western	12	.92	18	1.38
Northern-central	4	1.72	6	2.58
Bay and Eastern	18	1.09	23	1.39
Central	10	.50	31	1.56
Southwestern	.....	.....	16	1.51
Southern-central	17	.76	8	.36
Southeastern	85	2.96	34	1.19

[a] For counties included in each Division, see page 162.

Exhibit 19, page 271, permits of a study of the relations of the principal meteorological conditions to the deaths from rheumatism in Michigan during the year 1878. The number of deaths reported from this disease is very few, only

[j] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Monthly Range of Barometer was *greater* than the average, and *vice versa*.

[k] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Range of Barometer was *greater* than the average, and *vice versa*.

[l] Exceptions to the proposition that *more* than an average number of deaths from Diarrhea occurred in months when the Average Daily Pressure of the Atmosphere was *greater* than the average, and *vice versa*.

55 for the entire State. The greatest mortality occurred in June, and the smallest in March.

EXHIBIT 19.—RHEUMATISM.—*Deaths returned as having occurred in Michigan from Rheumatism, by Months, during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Rheumatism,* Greatest First.	Deaths.		Temperature,-Fahr.; Mean of Three Daily Observations,-7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° Fahr.)		
			Average Range.									Range of Barometer.		
	Number.	Per Cent. of Total.	Daily.	From Day to Day,—2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one Person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	Monthly, and Year.	Average, Daily.	Average Pressure.
Year, 1878....	55	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	1.276	.115	29.053
More than the Average Number of Deaths.														
June....	8	14.55	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	.677	.100	[d] 29.030
Dec.....	6	10.91	7.90	9.55	21.29	95	[b] 1.62	1.01	10.67	[c] 4.55	[c] 4.74	1.062	.142	29.147
Feb.....	5	9.09	14.59	15.93	28.07	89	[b] 1.91	1.19	10.49	[c] 5.00	[c] 5.33	1.033	.123	[d] 29.026
April...	5	9.09	14.07	15.77	50.55	69	[b] 3.51	2.19	9.49	[c] 4.37	[c] 4.53	.929	.080	[d] 28.875
July....	5	9.09	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	.611	.068	29.085
Aug. ..	5	9.09	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	.434	.065	[d] 29.010
Oct.	5	9.09	16.03	18.58	48.33	76	[b] 3.38	2.11	9.57	2.71	1.97	.684	.132	29.080
Nov.....	5	9.09	11.57	12.60	36.29	87	[b] 2.44	1.53	10.15	3.17	3.14	.904	.134	29.081
Average.....	4.6	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	.802	.115	29.053
Less than Av. No. of Deaths.														
Sept....	4	7.27	17.43	20.30	63.15	78	[b] 5.18	3.24	8.44	[c] 2.23	[c] 1.60	.903	.103	[d] 29.157
Jan.	3	5.45	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	.709	.146	[d] 29.099
May....	3	5.45	13.08	15.45	54.57	61	3.68	2.30	9.38	3.97	4.10	.741	.100	29.013
March..	1	1.82	12.06	16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	.942	.181	29.027

* Includes Rheumatism of Heart, Inflammatory, Sciatic, Spinal, and Rheumatism.
[a] See foot-note to Exhibit K, page 258.
[b] Exceptions to the proposition that the air contains *more* than the average amount of vapor of water in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.
[c] Exceptions to the proposition that there was *less* than the average Ozone in the air in months when *more* than the average number of death from Rheumatism occurred, and *vice versa*.
[d] Exceptions to the proposition that the Atmospheric Pressure was *greater* than the average in months when *more* than the average number of deaths from Rheumatism occurred, and *vice versa*.

Scarlet Fever.—The year 1878 ranks sixth among the ten years, 1869–1878, as regards the greatest number of deaths from scarlet fever; and among the principal conditions and causes of death in Michigan in 1878, scarlet fever ranks sixth. During the year 1878, according to the returns, 429 deaths were caused by scarlet fever in this State, which is 3.36 per cent. of the deaths from

all causes. The order of the years 1869–1878, those first which show the greatest proportion of deaths from scarlet fever, is as follows: 1870, 7.91 per cent.; 1871, 7.15 per cent.; 1872, 4.20 per cent.; 1873, 4.02 per cent,; 1875, 3.53 per cent.; 1874, 3.52 per cent.; 1878, 3.36 per cent.; 1876, 3.17 per cent.; 1877, 3.13 per cent.; 1869, 2.75 per cent. In 1878, the largest proportion occurred in December, and 64.34 per cent. were of persons under 5 years of age.

In Exhibit Y this disease may be studied in its relation to certain coincident meteorological conditions, by months.

EXHIBIT Y.—SCARLET FEVER.—*Deaths returned as having occurred from Scarlet Fever in Michigan during the year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Scarlet Fever, Greatest First.	Deaths from Scarlet Fever, 1878.		Temperature,—F.; Mean of three daily observations,—7 A.M., 2 P.M., and 9 P.M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Range. Daily.	Average Range. From Day to Day, 2 P.M. to 2 P.M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A.M. to 2 P.M.	Night,—9 P.M. to 7 A.M.	
Year, 1878	429	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
More than Av. No. of Deaths. December	75	17.48	7.90	9.55	21.29	95	1.62	1.01	10.67	4.55	4.74	29.147
November	52	12.12	11.57	12.60	36.29	87	2.44	1.53	10.15	d 3.17	d 3.14	29.081
March	41	9.56	12.06	16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	29.027
Average	36	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
Less than the Average No. of Deaths. April	35	8.16	14.07	15.77	50.55	69	3.51	c 2.19	9.49	d 4.37	d 4.53	28.875
February	34	7.93	14.59	15.93	b 28.07	89	1.91	c 1.19	10.49	d 5.00	d 5.33	29.036
January	32	7.46	9.00	11.03	b 29.11	89	1.82	c 1.14	10.54	d 3.74	d 4.48	29.080
May	31	7.23	13.08	15.45	54.57	61	3.68	c 2.30	9.38	d 3.97	d 4.10	29.013
August	31	7.23	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	29.010
September	27	6.29	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	29.157
October	26	6.06	16.03	18.58	48.33	76	3.38	c 2.11	9.57	2.71	1.97	29.080
June	23	5.36	15.90	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	29.030
July	22	5.13	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	29.035

[a] See foot-note to Exhibit K, page 258.
[b] Exceptions to the proposition that *more* than an average number of deaths occurred in months in which the temperature was *less* than the average, and *vice versa*.
[c] Exceptions to the proposition that *more* than an average number of deaths occurred in months in which *less* than the average quantity of vapor was inhaled, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average number of deaths occurred in months in which the Ozone was *more* abundant than the average, and *vice versa*.

Consumption.—With the exception of the year 1877, consumption was reported to have caused more deaths in Michigan in 1878 than in any previous year. This disease caused 1,641 deaths in this State in 1878, as shown by the returns, which is 12.85 per cent. (more than one-eighth) of the deaths from all causes. The number of deaths from consumption in each of the years 1869–1878 is as follows: 1877, 1,664; 1878, 1,641; 1876, 1,590; 1875, 1,479; 1872, 1,467; 1870, 1,451; 1873, 1,447; 1874, 1,392; 1871, 1,303; 1869, 1,233. In 1878 the largest number occurred in April, although the distribution throughout the months of the year is very uniform.

Exhibit N shows the number of deaths from consumption in each month of the year 1878 when the months are equalized to a uniform length.

Exhibit O shows the number of deaths from consumption in 1878 and some coincident meteorological conditions, by months.

EXHIBIT N.—CONSUMPTION.—*By Sex, the Number of Deaths Returned as having occurred in Michigan from Consumption during the Year 1878, by Months Equalized to Uniform length of 30.44 days each; also the Average Number per Month.* (*Deaths in unknown month excluded.*)

SEX.	TOTAL.	DEATHS FROM CONSUMPTION IN 1878, BY MONTHS OF EQUAL LENGTH.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Monthly Av.
Total....	a 1,637	89	127	136	176	132	122	141	139	145	141	143	146	136.42
Males....	730	35	59	64	74	64	57	60	63	67	54	68	65	60.83
Females.	907	54	68	72	102	68	65	81	76	78	87	75	81	75.58

a Excluding 4 deaths from consumption in unknown month, and including 2 males gained and excluding 2 females lost in equalizing. The number of deaths returned from consumption was 1,641,—729 males and 912 females.

EXHIBIT O.—CONSUMPTION.—*Deaths Returned as having occurred from Consumption in Michigan during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Consumption, Greatest First.	Deaths from Consumption, 1878.		Temperature,—Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative. Maximum = 10.		Average Pressure of Atmosphere. (Barometer Reduced to 32° Fahr.)
	Number.	Per Cent. of Total.	Average Range. Daily.	Average Range. From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1878	[b]1,637	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
More than the Average Number of Deaths. April	173	10.57	14.07	15.77	50.55	69	3.51	[d] 2.19	9.49	4.37	4.53	28.875
Dec.	149	9.10	7.90	9.55	[c] 21.29	95	1.62	[d] 1.01	10.67	4.55	4.74	29.147
July	144	8.80	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	29.085
Oct.	144	8.80	16.03	18.58	48.33	76	3.38	[d] 2.11	9.57	2.71	1.97	29.080
Sept.	143	8.74	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	29.157
Aug.	142	8.67	17.71	19.74	70.15	74	6.06	3.79	7.89	2.32	1.52	29.010
Nov.	141	8.61	11.57	12.60	[c] 36.29	87	2.44	[d] 1.53	10.15	3.17	3.14	29.081
March	139	8.49	12.06	16.77	[c] 40.90	83	2.80	[d] 1.75	9.93	4.68	4.94	29.027
Average	136	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
Less than Av. No. of Deaths. May	134	8.19	13.08	15.45	[c] 54.57	61	3.68	2.30	9.38	3.97	4.10	29.013
June	120	7.33	15.80	18.73	[c] 64.08	73	5.05	[d] 3.16	8.52	3.17	3.00	29.030
Feb.	117	7.15	14.59	15.93	23.07	89	1.91	1.19	10.49	5.00	5.33	29.026
Jan.	91	5.56	9.00	11.03	29.11	89	1.82	1.14	10.54	3.74	4.48	29.099

[a] See foot-note to Exhibit K, page 258.
[b] Excluding 4 deaths in unknown month.
[c] Exceptions to the proposition that the Temperature was *higher* than the average in months when *more* than the average number of deaths from Consumption occurred, and *vice versa*.
[d] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months in which there was *more* than the average number of deaths from Consumption, and *vice versa*.

Pneumonia.—The mortality from pneumonia in this State in 1878 was smaller than usual, only 462 deaths from this disease having been returned for the year 1878. This is 3.62 per cent. of deaths from all causes. The number returned for 1878 is smaller than for any year since 1871. The annual average number of deaths from Pneumonia in this State for the nine years preceding 1878 (1869–1877) was 581, and the number for 1878 (462) is only 79.52 per cent. of this annual average for nine years. In Exhibits 18 and P, the influence of certain coincident meteorological conditions upon the deaths from pneumonia may be studied.

EXHIBIT 18.—PNEUMONIA.—*Deaths Returned as having Occurred in Michigan from Pneumonia in February and March of each of the Years 1873–1878, the Average for the Six Years ending with 1878, and some coincident Meteorological conditions, at the Agricultural College, near the center of the thickly-settled part of the State.*

February and March of each of the Years 1873-1878.		Number of Deaths from Pneumonia.	Temperature,—F.; Mean of 3 Daily Observations—7 A.M., 2 P.M., and 9 P.M. Average Range. Daily.	From Day to Day, 2 P.M. to 2 P.M.	Average.	Humidity of Atmosphere, Etc.,—Monthly Averages. Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor, in Cubic Foot of Air.[a]	Ozone,—Relative. Maximum = 10. Day,—7 A.M. to 2 P.M.	Night,—9 P.M. to 7 A.M.	Rain and Melted Snow, in Inches.	Pressure of Atmosphere. Inches of Mercury. (Reduced to 32° F.) Range of Barometer. Monthly.	Average, Daily.	Average Pressure.
Average	February	73	15.66	18.27	23.15	88	1.47	4.97	5.91	1.541	1.091	.158	28.958
	March	89	14.38	16.88	29.64	85	1.80	4.83	5.96	1.755	1.230	.176	28.920
1873	February	110	14.61	18.71	[g] 19.10	[i] 91	1.43	4.21	[o] 5.93	.770	.842	.197	28.847
	March	80	[d] 14.16	[f] 16.61	28.30	[j] 71	[l] 1.52	[n] 4.09	[p] 5.80	1.730	1.307	.218	[r] 28.852
1874	February	57	[c] 12.32	[e] 14.07	[g] 25.51	89	1.55	5.53	6.10	1.550	1.387	.171	[q] 28.928
	March	108	13.52	16.45	32.30	83	[l] 2.00	[m] 5.00	[p] 6.00	1.786	1.081	.133	28.895
1875	February	116	20.14	21.57	[g] 8.35	[i] 94	.73	5.78	[o] 6.57	2.198	1.231	.206	28.875
	March	128	15.48	16.68	[h] 26.20	[j] 87	1.63	[n] 5.70	[p] 6.19	1.020	1.231	.163	28.844
1876	February	71	[c] 12.76	[e] 16.66	[g] 27.38	[i] 84	1.59	5.76	7.27	3.040	1.033	.176	29.063
	March	107	12.84	14.39	30.55	[j] 95	1.78	[n] 6.06	[p] 7.00	4.840	1.812	.223	[r] 28.929
1877	February	56	[c] 14.79	[e] 17.71	[g] 32.31	[i] 85	1.85	[m] 4.54	[o] 4.14	.000	1.007	.122	29.124
	March	64	15.29	17.29	24.51	91	[l] 1.53	5.29	6.06	.560	1.119	.151	28.981
1878	February	37	[c] 14.59	[e] 15.93	[g] 28.07	89	1.91	5.00	[o] 5.33	2.740	1.033	.123	29.026
	March	59	[d] 12.06	[f] 16.77	[h] 40.90	[j] 83	2.80	[n] 4.68	[p] 4.94	.312	.942	.181	29.027

[a] See foot note to Exhibit K, page 258.
[c] Four out of seven cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.
[d] Two out of seven cases in which the Average Daily Range of Temperature and the deaths were both *less* than the average.
[e] Four out of seven cases in which the Average Range of Temperature "from day to day" and the deaths were both *less* than the average.
[f] Two out of seven cases in which the Average Range of Temperature "from day to day" and the deaths were both *less* than the average.
[g] Six out of seven cases in which the Average Temperature was *higher* and the deaths *less* than the average, or *vice versa*.
[h] Two out of seven cases in which the Average Temperature was *higher* and the deaths *less* than the average, or *vice versa*.
[i] Five out of seven cases in which the Relative Humidity and the deaths were both *less* than the average, or both *greater* than the average.
[j] Four out of seven cases in which the Relative Humidity and the deaths were both *less* than the average, or both *greater* than the average.
[k] One out of seven cases in which the Absolute Humidity and the deaths were both *less* than the average.
[l] Four out of seven cases in which the Absolute Humidity and the deaths were both *greater* than the average, or both *less* than the average.
[m] Two out of seven cases in which the Day Ozone and the deaths were both *less* than the average.
[n] Six out of seven cases in which the Day Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[Foot-notes to Exhibit 18 continued at bottom of page 276.]

EXHIBIT P.—PNEUMONIA.—*Deaths returned as having occurred from Pneumonia, in Michigan during the Year 1878, and some coincident Meteorological conditions.*

Months in Order by Number of Deaths from Pneumonia, Greatest First.	Deaths from Pneumonia, 1878.		Temperature,—Fahr.; Mean of Three Daily Observations,—7 A. M., 2 P. M., and 9 P. M.			Humidity of Atmosphere, Etc.,—Monthly Averages.				Ozone,—Relative Maximum = 10.		Average Pressure of Atmosphere, (Barometer Reduced to 32° Fahr.)
			Average Range.									
	Number.	Per Cent. of Total.	Daily.	From Day to Day, 2 P. M. to 2 P. M.	Average.	Relative Humidity, or Per Cent. of Saturation.	Weight, in Grains, of Vapor in Cubic Foot of Air.[a]	Weight, in Troy Ounces, of Vapor Inhaled by one person in 24 hours.[a]	Weight, in Troy Ounces, of Vapor Exhaled from Air passages in 24 hours, in excess of vapor inhaled.[a]	Day,—7 A. M. to 2 P. M.	Night,—9 P. M. to 7 A. M.	
Year, 1878	462	100.00	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
More than Av. No. of Deaths. December	65	14.07	7.90	9.55	21.29	95	1.62	1.01	10.67	4.55	4.74	29.147
March	59	12.77	12.06	16.77	40.90	83	2.80	1.75	9.93	4.68	4.94	e 29.027
April	54	11.69	14.07	15.77	b 50.55	69	3.51	2.19	9.49	4.37	4.53	e 28.875
November	53	11.47	11.57	12.60	36.29	87	2.44	1.53	10.15	d 3.17	d 3.14	29.081
Average	39	8.33	13.63	16.05	48.29	79	3.69	2.31	9.37	3.50	3.42	29.053
Less than the Average No. of Deaths. February	37	8.01	14.59	15.93	b 28.67	89	1.91	c 1.19	10.49	d 5.00	d 5.33	29.026
May	37	8.01	13.08	15.45	54.57	61	3.68	c 2.30	9.38	d 3.97	d 4.10	29.013
January	36	7.79	9.00	11.03	b 29.11	89	1.82	c 1.14	10.54	d 3.74	d 4.48	e 29.099
October	35	7.58	16.03	18.58	48.33	76	3.38	c 2.11	9.57	2.71	1.97	e 29.089
June	30	6.49	15.80	18.73	64.08	73	5.05	3.16	8.52	3.17	3.00	29.030
September	22	4.76	17.43	20.30	63.15	78	5.18	3.24	8.44	2.23	1.60	e 29.157
August	19	4.11	17.71	19.74	70.15	74	6.06	3.79	7.69	2.32	1.52	29.019
July	15	3.25	14.32	18.10	73.04	68	6.83	4.27	7.41	2.10	1.74	e 29.085

[a] See foot-note to Exhibit K, page 258.

[b] Exceptions to the proposition that the Temperature was *greater* than the average in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.

[c] Exceptions to the proposition that *more* than an average amount of vapor was inhaled in months when *less* than the average number of deaths from Pneumonia occurred, and *vice versa*.

[d] Exceptions to the proposition that the Ozone was *more* than the average in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.

[e] Exceptions to the proposition that the Atmospheric Pressure was *greater* than the average in months when *more* than the average number of deaths from Pneumonia occurred, and *vice versa*.

[o] Four out of seven cases in which the Night Ozone and the deaths were both *less* than the average, or both *greater* than the average.

[p] Six out of seven cases in which the Night Ozone and the deaths were both *less* than the average, or both *greater* than the average.

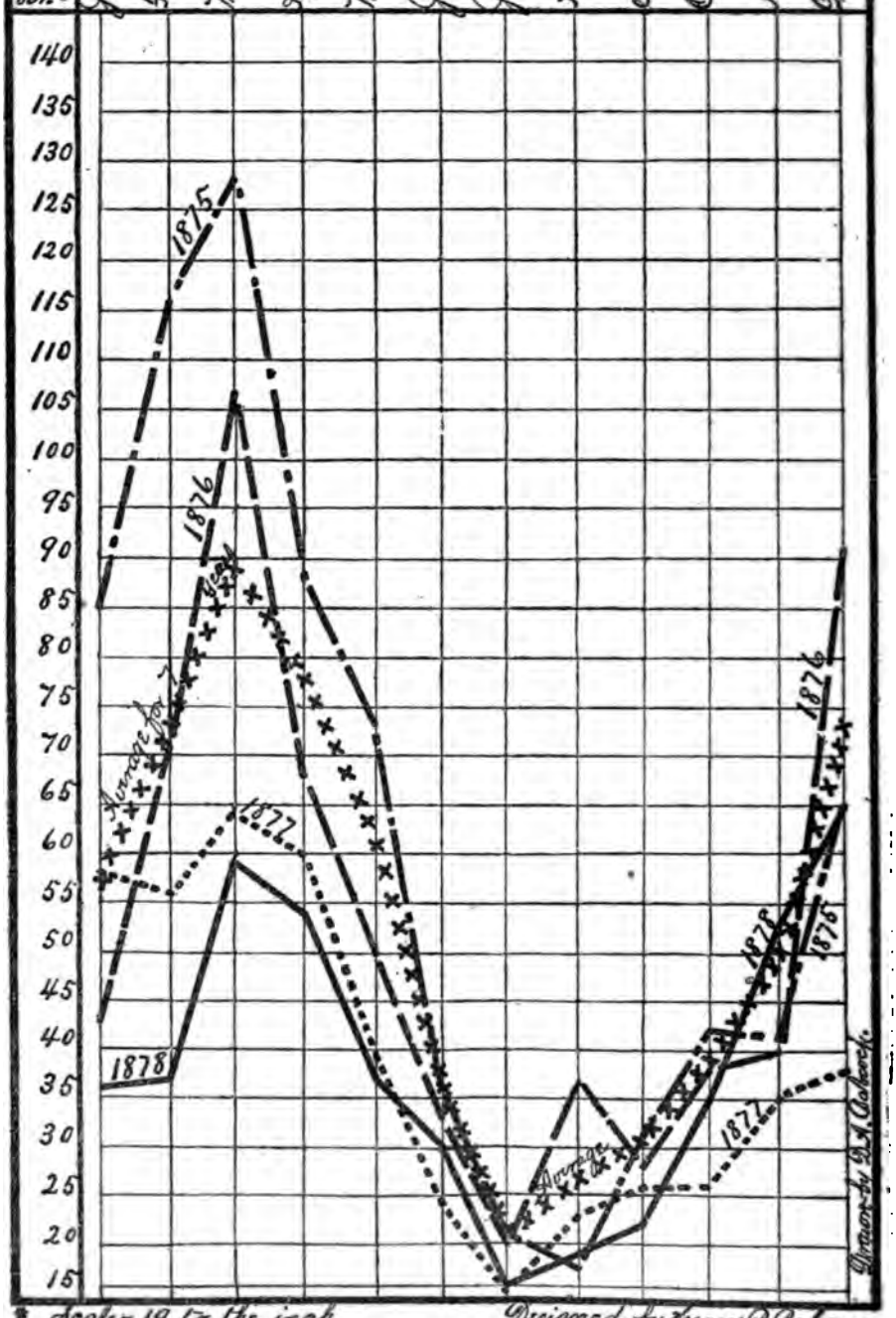
[q] Two out of seven cases in which the Pressure of the Atmosphere and the deaths were both *less* than the average.

[r] Three out of seven cases in which the Pressure of the Atmosphere and the deaths were both *less* than the average, or both *greater* than the average.

35—1878.

Diagram No. 9.

Deaths Returned as having occurred in Michigan from Pneumonia in 1875, 1876, 1877, and 1878, and Av. for 7 years ending with 78



* Scale = 19 to the inch.

Designed by Henry B. Baker.

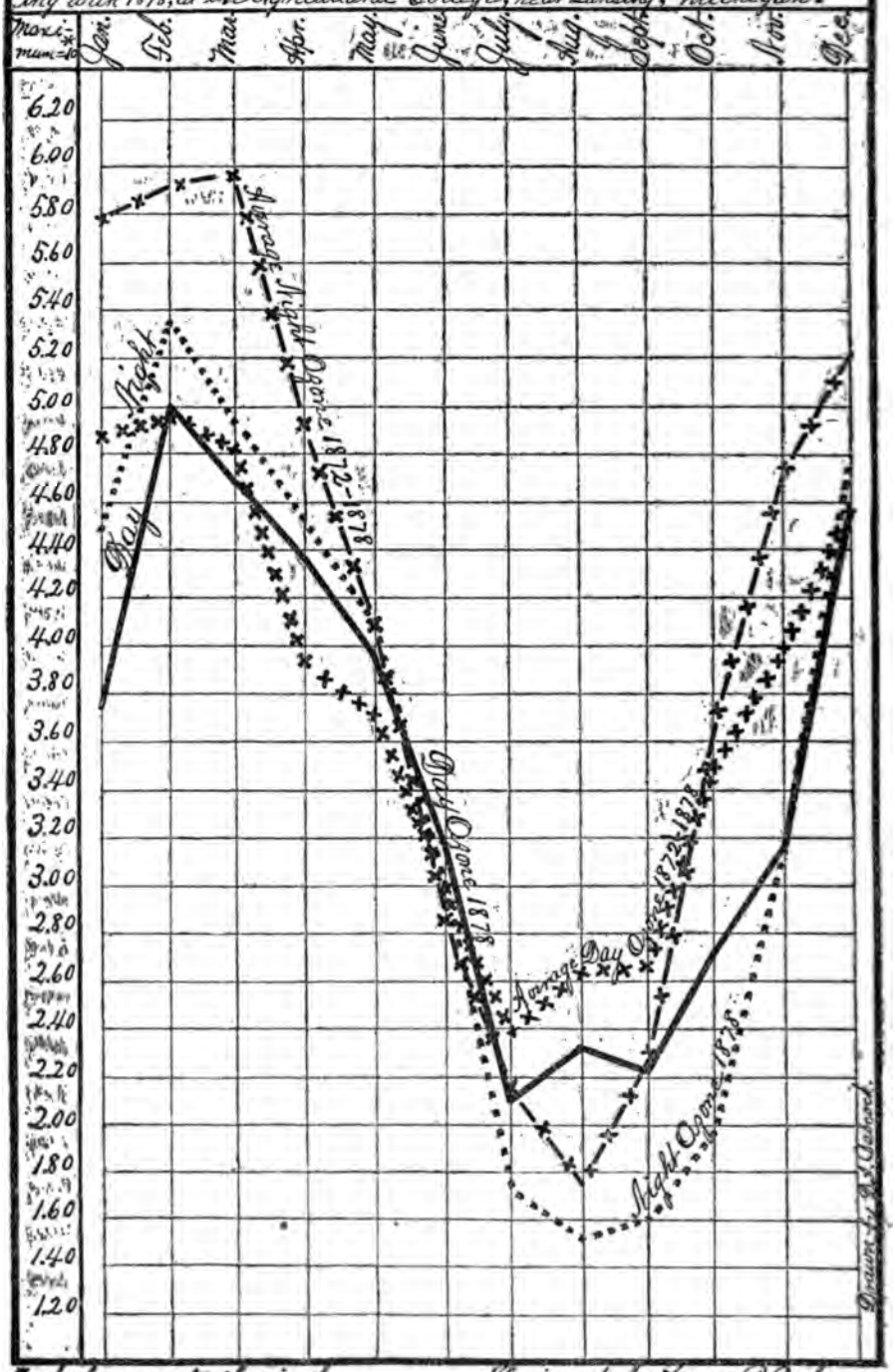
Exhibit 17 shows, by months, the number of deaths returned as having been caused by pneumonia in this State during each of the years 1872–1878, and the average for the seven years ending with 1878. The number returned for 1878 is not only much less than the average but is less than the number returned for any of the other years shown in the exhibit.

EXHIBIT 17.—PNEUMONIA.—*By Months, the Number of Deaths Returned as having occurred from Pneumonia, in Michigan, during each of the Years 1872–1878, and the average for Seven Years ending with 1878.*

YEARS.	TOTALS.	DEATHS FROM PNEUMONIA, 1872-1878.												
		Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Unk.
1872	641	46	64	75	79	53	28	26	31	29	56	63	89	2
1873	706	84	110	80	58	65	55	20	29	34	37	65	68	1
1874	800	49	57	108	141	108	46	29	32	46	39	50	93	2
1875	745	85	116	128	88	73	36	21	17	31	42	41	65	2
1876	627	43	71	107	68	50	33	20	37	28	38	40	91	1
1877	465	58	56	64	60	39	24	14	23	26	26	35	38	2
1878	462	36	37	50	54	37	30	15	19	22	35	53	65	.....
Av. for 7 y'rs	635	57	73	80	78	61	36	21	27	31	39	50	73	1

Diagram No. 10.

Relative Amount of Ozone in Air from 9 P.M. to 7 A.M. - Night Observations - and from 7 A.M. to 2 P.M. - Day Observations - in 1878, and the Average for 7 Years ending with 1878, at the Agricultural College, near Lansing, Michigan.



* Scale = 0.80 to the inch.

Designed by Henry P. Baker.

EXHIBIT 20—*Relative Amount of Ozone in Air from 9 P. M. to 7 A. M.,—Night Observations,—by Months, during the Years 1872–1878, and the Average for 7 years ending with 1878; also, the Average for 7 years ending with 1878, from 7 A. M. to 2 P. M.,—Day Observations, at the Agricultural College, near Lansing, Michigan.*

YEARS.		Annual Average.	Ozone Observations, by Months.											
			Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.
Day	1872	2.82	4.50	4.00	3.00	2.63	2.14	1.91	.88	.98	1.40	1.93	4.60	5.81
	1873	4.02	5.06	4.21	4.09	3.76	4.58	3.26	3.59	3.55	2.30	4.52	4.30	4.97
	1874	4.10	5.10	5.53	5.00	5.70	5.80	3.50	1.80	2.80	2.90	3.32	3.80	4.00
	1875	4.53	5.52	5.78	5.70	3.73	3.19	3.96	3.52	3.50	4.30	5.30	4.90	5.00
	1876	3.68	5.32	5.76	6.06	3.70	3.10	1.87	2.16	1.97	2.60	3.45	3.57	4.57
	1877	3.66	4.87	4.54	5.29	3.70	3.29	3.17	2.71	3.42	2.93	3.20	3.60	3.17
	1878	3.50	3.74	5.00	4.68	4.37	3.97	3.17	2.10	2.32	2.23	2.71	3.17	4.55
Av. for 7 years		3.76	4.87	4.97	4.83	3.94	3.72	2.98	2.39	2.65	2.67	3.49	3.99	4.58
Night	1872	4.24	5.44	6.00	5.71	5.30	3.84	3.23	2.28	.99	1.86	3.18	6.17	6.84
	1873	4.63	6.32	5.93	5.80	4.27	4.59	2.66	3.06	2.65	4.27	4.69	5.47	5.89
	1874	3.99	6.39	6.10	6.00	6.60	4.90	2.34	1.50	1.10	1.20	3.01	4.50	4.20
	1875	5.04	5.93	6.57	6.19	3.96	4.03	3.66	3.22	3.70	3.68	6.20	6.60	6.70
	1876	4.11	6.90	7.27	7.00	5.53	4.13	2.27	1.58	1.26	1.73	3.48	3.33	4.81
	1877	3.33	5.03	4.14	6.06	4.27	2.94	2.90	1.77	1.03	1.53	3.19	3.73	3.37
	1878	3.42	4.48	5.33	4.94	4.53	4.10	3.00	1.74	1.52	1.60	1.97	3.14	4.74
Av. for 7 years		4.11	5.78	5.91	5.96	4.93	4.08	2.87	2.16	1.75	2.27	3.67	4.71	5.22

CORRELATION OF CONSUMPTION AND PNEUMONIA.

In Tables XXII. and XXIII., consumption and pneumonia are studied together, by sex,—in the former by months, in the latter by periods of age. In Table XXII. it may be seen that in eleven months of the year there was an excess of deaths of females from consumption and of males from pneumonia. Opposite conditions seem often to exist in connection with these two diseases, as may be seen by studying the tables and exhibits concerning them in this Report.

TABLE XXII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Deaths from Consumption and Pneumonia Returned as having occurred in Michigan during the Year 1878, by Months, Exhibiting the Total Number, Number of each Sex, Per Cent. of Total, and Excess of each Sex.*

MONTHS, 1878.	CONSUMPTION, 1878.								PNEUMONIA, 1878.							
	Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.				Number.			Per Cent. of deaths in each Month to Total for Year.	Per Cent. of each Sex to Total of both Sexes.			
	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.	Males.	Females.	Total.		Males.	Females.	Excess. Males.	Excess. Females.
Year, 1878	729	912	1,641	100.00	44.42	55.58	.....	11.16	275	187	462	100.00	59.52	40.48	19.04	.....
January	36	55	91	5.55	39.56	60.44	c	20.88	25	11	36	7.79	69.44	30.56	38.88	c
February	54	63	117	7.13	46.15	53.85	c	7.70	21	16	37	8.01	56.76	43.24	13.52	c
March	65	74	139	8.47	46.76	53.24	c	6.48	36	23	59	12.77	61.02	38.98	22.04	c
April	73	100	173	10.54	42.20	57.80	c	15.60	30	24	54	11.69	55.56	44.44	11.12	c
May	65	69	134	8.17	48.51	51.49	c	2.98	24	13	37	8.01	64.86	35.14	29.72	c
June	56	64	120	7.31	46.67	53.33	c	6.66	18	12	30	6.49	60.00	40.00	20.00	c
July	61	83	b 144	8.78	42.36	57.64	c	15.28	10	5	b 15	3.25	66.67	33.33	33.34	c
August	64	78	b 142	8.65	45.07	54.93	.....	9.86	7	12	b 19	4.11	36.84	63.16	.....	26.32
September	66	77	b 143	8.71	46.15	53.85	c	7.70	14	8	b 22	4.76	63.64	36.36	27.28	c
October	55	89	b 144	8.78	38.19	61.81	c	23.62	20	15	b 35	7.58	57.14	42.86	14.28	c
November	67	74	141	8.59	47.52	52.48	c	4.96	31	22	53	11.47	58.49	41.51	16.98	c
December	66	83	149	9.08	44.30	55.70	c	11.40	39	26	65	14.07	60.00	40.00	20.00	c
Unknown	1	3	4	.24	25.00	75.00	.....	50.00	.....	.....	.....	.....	.....	.....	.....	.....
Average a	60.67	75.75	136.42	8.33	44.62	55.55	.....	.....	22.92	15.58	38.50	8.33	59.20	40.80	.....	.....

a Excluding deaths in unknown month.
b *Less* than the average number of deaths from Consumption, and *more* than the average number from Pneumonia, and *vice versa*.
c Eleven out of twelve months in which there was an excess of deaths of one sex from consumption and of the opposite sex from pneumonia.

TABLE XXIII.—CORRELATION OF CONSUMPTION AND PNEUMONIA.—*Exhibiting the Number and Per Cent. of Deaths of each Sex, the difference between the Sexes, and the Per Cent. of Total Deaths at each Period of Age from Consumption and Pneumonia, in Michigan, during the Year 1878.*

AGES IN PERIODS OF YEARS, 1878.	CONSUMPTION, 1878.								PNEUMONIA, 1878.							
	NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.				NUMBER.			Per Ct. of Deaths at each Age to Deaths at All Ages.	PER CENT. OF THE SEXES.			
	Males.	Females.	Total.		Males.	Females.	EXCESS. Males.	EXCESS. Females.	Males.	Females.	Total.		Males.	Females.	EXCESS. Males.	EXCESS. Females.
All Ages, 1878	729	912	1,641	100.00	44.42	55.58	.....	11.16	275	187	462	100.00	59.52	40.48	19.04	.....
Under 5	[a] 37	38	[b] 75	[b] 4.57	49.33	50.67	.....	1.34	[a] 118	84	[b] 202	[b] 43.72	58.42	41.58	16.84	.....
5 to 10	8	8	16	.97	50.00	50.00	.....	.....	9	3	12	2.60	75.00	25.00	50.00	.....
10 to 15	8	33	41	2.50	19.51	80.49	.....	60.98	4	3	7	1.52	57.14	42.86	14.28	.....
15 to 20	33	106	[b] 139	[b] 8.47	23.74	76.26	.....	52.52	10	4	[b] 14	[b] 3.03	71.43	28.57	42.86	.....
20 to 25	[a] 88	143	[b] 231	[b] 14.08	38.10	61.90	.....	23.80	[a] 10	6	[b] 16	[b] 3.46	62.50	37.50	25.00	.....
25 to 30	[a] 78	138	[b] 216	[b] 13.16	36.11	63.89	.....	27.78	[a] 10	1	[b] 11	[b] 2.38	90.91	9.09	81.82	.....
30 to 35	[a] 58	98	[b] 156	[b] 9.51	37.18	62.82	.....	25.64	[a] 6	6	[b] 12	[b] 2.60	50.00	50.00	.....	.....
35 to 40	[a] 60	71	[b] 131	[b] 7.98	45.80	54.20	.....	8.40	[a] 8	3	[b] 11	[b] 2.38	72.73	27.27	45.46	.....
40 to 45	[a] 54	53	[b] 107	[b] 6.52	50.47	49.53	.94	.....	[a] 4	11	[b] 15	[b] 3.25	26.67	73.33	.....	46.66
45 to 50	[a] 50	53	[b] 103	[b] 6.28	48.54	51.46	.....	2.92	[a] 12	6	[b] 18	[b] 3.90	66.67	33.33	33.34	.....
50 to 55	[a] 45	40	85	5.18	52.94	47.06	5.88	[c]	[a] 13	9	22	4.76	59.09	40.91	18.18	[c]
55 to 60	[a] 53	34	87	5.30	60.92	39.08	21.84	[c]	[a] 13	12	25	5.41	52.00	48.00	4.00	[c]
60 to 65	50	20	70	4.26	71.43	28.57	42.86	.....	16	9	25	5.41	64.00	36.00	28.00	.....
65 to 70	[a] 39	24	[b] 63	[b] 3.84	61.90	38.10	23.80	.....	[a] 20	11	[b] 31	[b] 6.71	64.52	35.48	29.04	.....
70 to 75	33	17	50	3.05	66.00	34.00	32.00	[c]	7	6	13	2.81	53.85	46.15	7.70	[c]
75 to 80	20	11	31	1.89	64.52	35.48	29.04	.....	4	7	11	2.38	36.36	63.64	.....	27.28
80 and over	9	11	20	1.22	45.00	55.00	.....	10.00	8	5	13	2.81	61.54	38.46	23.08	.....
Unknown	6	14	20	1.22	30.00	70.00	.....	40.00	3	1	4	.87	75.00	25.00	50.00	.....
Average [d]	42.53	52.82	95.35	5.81	48.32	51.68	.....	.....	16.00	10.94	26.94	5.83	60.17	39.83	.....	.....

[a] *More* than the average number of deaths of males from Consumption, and *less* than the average number of deaths of males from Pneumonia, and *vice versa*.
[b] *More* than an average number and per cent. of deaths from Consumption and *less* than an average number and per cent. of deaths from Pneumonia, and *vice versa*. [c] *More* than an average proportion of *males* from Consumption and *less* than an average proportion of males from Pneumonia, and *vice versa*. [d] Of 17 periods of 5 years each, unknown ages excluded.

TABLE XXIV.—*Exhibiting, for the State and Eleven Geographical Divisions in 1878, by Sex, the Number of Deaths Returned as having occurred from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also, the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	All Causes, 1878.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHEA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
STATE[b]	Total	12,766	1,641	12.85	462	3.62	329	2.58	47	.37	173	1.36
	Males	6,632	729	10.99	275	4.15	176	2.65	24	.36	91	1.37
	Females	6,082	912	15.00	187	3.07	153	2.52	23	.33	82	1.35
	Unk'n	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Upper-peninsular	Total	709	55	7.76	25	3.53	24	3.39	.....	.....	7	.99
	Males	414	33	7.97	16	3.86	17	4.11	.....	.....	3	.72
	Females	291	22	7.56	9	3.09	7	2.41	.....	.....	4	1.37
	Unk'n	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North-western	Total	308	39	12.66	8	2.60	10	3.25	.....	.....	11	3.57
	Males	159	17	10.69	4	2.52	2	1.26	.....	.....	4	2.52
	Females	148	22	14.86	4	2.70	8	5.41	.....	.....	7	4.73
	Unk'n	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Northern	Total	226	16	7.08	7	3.10	3	1.33	1	.44	1	.44
	Males	118	11	9.32	3	2.54	1	.85	.....	.....	1	.85
	Females	107	5	4.67	4	3.74	2	1.87	1	.93	.....	.....
	Unk'n	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
North-eastern	Total	163	22	13.50	5	3.07	4	2.45	.....	.....	8	4.91
	Males	93	9	9.68	3	3.23	4	4.30	.....	.....	6	6.45
	Females	69	13	18.84	2	2.90	.....	.....	.....	.....	2	2.90
	Unk'n	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Western	Total	1,306	180	13.78	33	2.53	27	2.07	4	.31	12	.92
	Males	656	76	11.59	19	2.90	14	2.13	1	.15	9	1.37
	Females	645	104	16.12	14	2.17	13	2.02	3	.47	3	.47
	Unk'n	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Northern-central	Total	233	13	5.58	12	5.15	9	3.86	1	.43	4	1.72
	Males	119	6	5.04	8	6.72	3	2.52	1	.84	.....	.....
	Females	113	7	6.19	4	3.54	6	5.31	.....	.....	4	3.54
	Unk'n	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....

[a] For counties included in each Division, see page 162.
[b] For counties and townships from which no returns of deaths for 1878 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 150.

TABLE XXIV.—CONTINUED.

GEOGRAPHICAL DIVISIONS.*	SEX.	All Causes, 1878.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INTERMITTENT FEVER.		DIARRHŒA.	
			Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Bay and Eastern	Total	1,656	217	13.10	59	3.56	29	1.75	9	.54	18	1.09
	Males	876	91	10.39	36	4.11	14	1.60	6	.68	13	1.48
	Females	776	126	16.24	23	2.96	15	1.93	3	.39	5	.64
	Unk'n	4	------	------	------	------	------	------	------	------	------	------
Central	Total	1,990	271	13.62	79	3.97	62	3.12	11	.55	10	.50
	Males	970	105	10.82	49	5.05	32	3.30	3	.31	6	.62
	Females	1,017	166	16.32	30	2.95	30	2.95	8	.79	4	.39
	Unk'n	3	------	------	------	------	------	------	------	------	------	------
South-western	Total	1,062	123	11.58	49	4.61	30	2.82	4	.38	------	------
	Males	551	58	10.53	28	5.08	19	3.45	3	.54	------	------
	Females	507	65	12.82	21	4.14	11	2.17	1	.20	------	------
	Unk'n	4	------	------	------	------	------	------	------	------	------	------
Southern-central	Total	2,244	316	14.08	84	3.74	74	3.30	6	.27	17	.76
	Males	1,160	132	11.38	51	4.40	36	3.10	4	.34	7	.60
	Females	1,077	184	17.08	33	3.06	38	3.53	2	.19	10	.93
	Unk'n	7	------	------	------	------	------	------	------	------	------	------
South-eastern	Total	2,869	389	13.56	101	3.52	57	1.99	11	.38	85	2.96
	Males	1,516	191	12.60	58	3.83	34	2.24	6	.40	42	2.77
	Females	1,332	198	14.86	43	3.23	23	1.73	5	.38	43	3.23
	Unk'n	21	------	------	------	------	------	------	------	------	------	------

* For counties included in each Division, see page 162.

TABLE XXV.—*Exhibiting, for the State, and by Counties, for the Year 1878, the Number of Deaths from All Causes, from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea; also the Per Cent. of Deaths from Consumption, Pneumonia, Typhoid Fever, Intermittent Fever, and Diarrhea, to Deaths from All Causes.*

STATE AND COUNTIES.	All Causes, 1878.	Consumption.		Pneumonia.		Typhoid Fever.		Int'm'nt Fever.		Diarrhea.	
		Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
State	12,766	1,641	12.85	462	3.62	329	2.58	47	.37	173	1.36
Alcona	19	2	10.53			2	10.53			1	5.26
Allegan	278	30	10.79	14	5.04	6	2.16				
Alpena	60	10	16.67	4	6.67					3	5.00
Antrim [a]	33	2	6.06								
Baraga	23	4	17.39	1	4.35						
Barry	139	21	15.11	5	3.59	3	2.16			1	.72
Bay	247	26	10.53	11	4.45	3	1.21	3	1.21	4	1.62
Benzie	13	1	7.69								
Berrien	313	32	10.22	20	6.39	9	2.88	1	.32		
Branch	204	29	19.12	13	6.37	6	2.94	1	.49		
Calhoun	260	36	13.85	7	2.69	12	4.62	1	.38	1	.38
Cass	223	22	9.87	5	2.24	7	3.14	1	.45		
Charlevoix	32	4	12.50	1	3.13	1	3.13	1	3.13		
Cheboygan	71	1	1.41	2	2.82						
Chippewa [a]	41	9	21.95			1	2.44				
Clare	20							1	5.00	2	.10
Clinton	217	29	11.74	6	2.43	10	4.05	2	.81		
Crawford	4										
Delta	42	5	11.90	5	11.90	3	7.14				
Eaton	273	38	13.92	14	5.13	11	4.03				
Emmet	66	9	13.64	2	3.03	1	1.51			1	1.52
Genesee	306	47	15.36	13	4.25	7	2.29	2	.65	4	1.31
Gladwin	7					1	14.29			1	14.29
G. Traverse	49	8	16.33	1	2.04	5	10.20				
Gratiot	111	10	9.01			1	.90	1	.90		
Hillsdale	288	53	18.40	8	2.78	12	4.17			4	1.39
Houghton	203	12	4.56	8	3.04	13	4.94			4	1.52
Huron	101	17	16.83	4	3.95					1	.99
Ingham	193	17	8.81	8	4.15	7	3.63	2	1.04		
Ionia	230	31	13.48	6	2.61	7	3.04			1	.43
Iosco [a]	52	7	13.46	1	1.92	2	3.85			4	7.69
Isabella [a]	75	3	4.00	5	6.67	4	5.33			1	1.33
Isle Royal [b]											
Jackson	347	36	10.37	13	3.75	6	1.73	1	.29	5	1.44
Kalamazoo	281	45	16.01	16	5.69	3	1.07			3	1.07
Kalkaska	18			2	11.11	1	5.56				
Kent	560	78	13.93	14	2.50	11	1.96	1	.18	6	1.07
Keweenaw	52	1	1.92	2	3.85	2	3.85				
Lake	22	2	9.09								
Lapeer	180	18	10.00	6	3.33	7	3.89	3	1.67		
Leelanaw	49	8	16.33	1	2.04	3	6.12			1	2.04
Lenawee	330	47	14.24	6	1.82	17	5.15	1	.30	1	.30

[a] Except townships not represented by returns of deaths in 1878, see Exhibit H, page 136.
[b] No returns from county clerk to State Department.

TABLE XXV.—CONTINUED.

COUNTIES.	All Causes, 1878.	CONSUMPTION.		PNEUMONIA.		TYPHOID FEVER.		INT'M'NT FEVER.		DIARRHŒA.	
		Number of Deaths.	Per Cent to Deaths from All Causes	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.	Number of Deaths.	Per Cent. to Deaths from All Causes.
Livingston..	156	26	16.67	12	7.69	2	1.28	1	.64	.....	.....
Mackinac..*	15	6	40.00	.....	.....	.....	.....	.....	.....	.....	.....
Macomb.....	279	41	14.70	8	2.87	7	2.51	1	.36	11	3.94
Manistee....	84	11	13.10	4	4.76	1	1.19	.....	.....	5	5.95
Manitou.....	6	1	16.67	.....	.....	.....	.....	.....	.....	.....	.....
Marquette..	227	15	6.61	6	2.64	4	1.76	.....	.....	3	1.32
Mason	61	14	22.95	1	1.64	1	1.64	1	1.64	1	1.64
Mecosta	73	4	5.48	5	6.85	3	4.11	.....	.....	.....	.....
Menominee*	9	.....	.....	.....	.....	1	11.11	.....	.....	.....	.....
Midland.....	52	6	11.54	2	3.85	1	1.92	.....	.....	.....	.....
Missaukee..	21	2	9.52	.....	.....	1	4.76	.....	.....	4	19.05
Monroe.	310	25	8.06	10	3.23	7	2.26	3	.97	4	1.29
Montcalm...	198	32	16.16	2	1.01	9	4.55	2	1.01	4	2.02
Muskegon .*	171	22	12.87	3	1.75	3	1.75	.....	.....	.....	.....
Newaygo ...	78	10	12 82	5	6.41	4	5.13	.....	.....	.....	.....
Oakland.....	331	39	11.78	16	4 83	12	3.63	.....	.....	.....	.....
Oceana.....	76	19	25.00	2	2.63	.....	.....	1	1.32	.....	.....
Ogemaw	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ontonagon..	33	3	9.09	3	9.09	.....	.....	.....	.....	.....	.....
Osceola.....	89	7	7.87	.....	.....	3	3.37	.....	.....	1	1.12
Otsego	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ottawa.....	249	28	11.24	8	3.21	5	2.01	1	.40	4	1.61
Presque Isle	26	3	11.54	.....	.....	.....	.....	.....	.....	.....	.....
Roscommon.	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Saginaw.....	524	81	15.46	18	3.44	9	1.72	2	.38	5	.95
Sanilac.....	135	18	13.33	3	2.22	1	.74	1	.74	2	1.48
Schoolcraft*	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Shiawassee*	137	20	14.60	13	9.49	5	3.65	1	.73	.....	.....
St. Clair....*	319	33	10.34	11	3.45	4	1.25	.....	.....	3	.94
St. Joseph..	204	25	12.25	9	4.41	8	3.92	2	.98	1	.49
Tuscola.....	150	24	16.00	6	4.00	5	3.33	.....	.....	3	2.00
Van Buren..	248	39	15.73	10	4.03	8	3.23	2	.81	.....	.....
Washtenaw.	330	45	13.64	12	3.64	10	3.03	.....	.....	2	.61
Wayne.... *	1,949	284	14.57	67	3.44	31	1.59	7	.36	70	3.59
Wexford....	86	8	9.30	2	2.33	.....	.....	.....	.....	1	1.16

* Except townships not represented by returns of deaths in 1878, see Exhibit II, page 136.

TABLE XXVI.—*Exhibiting, for the State and Eleven Geographical Divisions of Michigan, by Sex, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged Under 5, to Deaths at All Ages for the Year 1878.*

STATE AND GEOGRAPHICAL DIVISIONS.[a]	SEX.	Deaths at All Ages, 1878.	Old Age.		Aged 70 and Over.		Aged Under 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
State[b]	Total	12,766	579	4.54	1,373	10.76	5,007	39.22
	Males	6,632	281	4.24	750	11.31	2,698	40.68
	Females	6,082	298	4.90	623	10.24	2.260	37.16
	Unknown	52	.....	.....	.....	.....	49	94.23
Upper-peninsular	Total	709	10	1.41	16	2.26	417	58.82
	Males	414	5	1.21	6	1.45	235	56.76
	Females	291	5	1.72	10	3.44	178	61.17
	Unknown	4	.....	.....	.....	.....	4	100.00
North-western	Total	308	9	2.92	20	6.49	142	46.10
	Males	159	3	1.89	7	4.40	76	47.80
	Females	148	6	4.05	13	8.78	65	43.92
	Unknown	1	.....	.....	.....	.....	1	100.00
Northern	Total	226	5	2.21	12	5.31	113	50.00
	Males	118	4	3.39	8	6.78	62	52.54
	Females	107	1	.93	4	3.74	50	46.73
	Unknown	1	.....	.....	.....	.....	1	100.00
North-eastern	Total	163	.....	.....	3	1.84	85	52.15
	Males	93	.....	.....	.....	.....	49	52.69
	Females	69	.....	.....	3	4.35	35	50.72
	Unknown	1	.....	.....	.....	.....	1	100.00
Western	Total	1,306	49	3.75	106	8.12	551	42.19
	Males	656	23	3.51	66	10.06	286	43.60
	Females	645	26	4.03	40	6.20	260	40.31
	Unknown	5	.....	.....	.....	.....	5	100.00

[a] For counties included in each Division, see page 162.
[b] For counties and townships from which no returns of deaths in 1878 were received, see Exhibit H, page 136; for those in which no deaths occurred, see Exhibit I, page 150.

TABLE XXVI.—CONTINUED.

GEOGRAPHICAL DIVISIONS.*	SEX.	Deaths at All Ages, 1878.	OLD AGE.		AGED 70 AND OVER.		AGED UNDER 5.	
			Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.	Number of Deaths.	Per Cent. to Deaths at All Ages, by Geographical Divisions.
Northern-central	Total	233	6	2.58	8	3.43	115	49.36
	Males	119	2	1.68	3	2.52	61	51.26
	Females	113	4	3.54	5	4.42	53	46.90
	Unknown	1	.....	.....	.....	.....	1	100.00
Bay and Eastern	Total	1,656	70	4.23	123	7.43	742	44.81
	Males	876	33	3.77	70	7.99	408	46.58
	Females	776	37	4.77	53	6.83	331	42.65
	Unknown	4	.....	.....	.....	.....	3	75.00
Central	Total	1,990	84	4.22	227	11.41	732	36.78
	Males	970	34	3.51	124	12.78	386	39.79
	Females	1,017	50	4.92	103	10.13	343	33.73
	Unknown	3	.....	.....	.....	.....	3	100.00
South-western	Total	1,092	41	3.86	133	12.52	367	34.56
	Males	551	23	4.17	76	13.79	191	34.66
	Females	507	18	3.55	57	11.24	172	33.93
	Unknown	4	.....	.....	.....	.....	4	100.00
Southern-central	Total	2,244	148	6.60	407	18.14	573	25.53
	Males	1,160	70	6.03	214	18.45	317	27.32
	Females	1,077	78	7.24	193	17.92	249	23.12
	Unknown	7	.....	.....	.....	.....	7	100.00
South-eastern	Total	2,869	157	5.47	318	11.08	1,170	40.79
	Males	1,516	84	5.54	176	11.61	627	41.36
	Females	1,332	73	5.48	142	10.66	524	39.34
	Unknown	21	.....	.....	.....	.....	19	90.48

* For counties included in each Division, see page 162.

TABLE XXVII.—*Exhibiting, for the State and Counties of Michigan, the Number of Deaths Returned as having occurred at All Ages, from Old Age, of All Aged 70 and Over, and of All Aged Under 5, in 1878; also the Per Cent. of Deaths from Old Age, of All Aged 70 and Over, and of All Aged under 5 to Deaths at All Ages.*

STATE AND COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
STATE	12,766	579	4.54	1,373	10.76	5,007	39.22
Alcona	19	.....	.....	.....	.....	8	42.11
Allegan	278	13	4.68	31	11.15	96	34.53
Alpena	60	.....	.....	1	1.67	38	63.33
Antrim [a]	33	.....	.....	3	9.09	10	30.30
Baraga	23	.....	.....	.....	.....	14	60.87
Barry	139	5	3.60	14	10.07	49	35.25
Bay	247	8	3.24	11	4.45	135	54.66
Benzie	13	.....	.....	1	7.69	6	46.15
Berrien	313	8	2.56	35	11.18	115	36.74
Branch	204	4	1.96	33	16.18	47	23.04
Calhoun	260	19	7.31	48	18.46	59	22.69
Cass	223	10	4.48	29	13.00	83	37.22
Charlevoix	32	2	6.25	2	6.25	14	43.75
Cheboygan	71	1	1.41	4	5.63	34	47.89
Chippewa [a]	41	4	9.76	3	7.32	20	48.78
Clare	20	.....	.....	.....	.....	13	65.00
Clinton	247	10	4.05	30	12.15	93	37.65
Crawford	4	.....	.....	.....	.....	4	100.00
Delta	42	.....	.....	.....	.....	16	38.10
Eaton	273	9	3.30	25	9.23	94	34.43
Emmet	66	2	3.03	3	4.55	38	57.58
Genesee	306	24	7.84	45	14.71	105	34.31
Gladwin	7	.....	.....	1	14.29	3	42.86
Grand Traverse	49	4	8.16	5	10.20	18	36.73
Gratiot	111	3	2.70	5	4.50	54	48.65
Hillsdale	288	18	6.25	48	16.67	65	22.57
Houghton	263	1	.38	3	1.14	170	64.64
Huron	101	4	3.96	9	8.91	47	46.53
Ingham	193	8	4.15	18	9.32	78	40.41
Ionia	230	5	2.17	24	10.43	85	36.96
Iosco [a]	52	.....	.....	1	1.92	28	53.85
Isabella [a]	75	1	1.33	1	1.33	41	54.67
Isle Royal [b]	.....	.....	.....	.....	.....	.....	.....
Jackson	347	16	4.61	56	16.14	110	31.70
Kalamazoo	281	19	6.76	43	11.74	68	24.20
Kalkaska	18	.....	.....	.....	.....	11	61.11
Kent	560	23	4.11	57	10.18	217	38.75
Keweenaw	52	2	3.85	4	7.69	36	69.23
Lake	22	.....	.....	.....	.....	6	27.27
Lapeer	180	8	4.44	17	9.44	77	42.78

[a] Except townships not represented by returns of deaths, see Exhibit H, page 136.
[b] No returns from county clerk to State Department.

TABLE XXVII.—CONTINUED.

COUNTIES.	All Ages.	Old Age.		Aged 70 and Over.		Aged Under 5.	
	Number of Deaths.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.	Number of Deaths.	Per Ct. to Deaths at All Ages.
Leelanaw	49	1	2.04	8	16.33	15	30.61
Lenawee	330	26	7.88	76	23.03	88	26.67
Livingston	156	7	4.49	29	18.59	44	28.21
Mackinac *	15	1	6.67	1	6.67	2	13.33
Macomb	279	19	6.81	53	19.00	82	29.39
Manistee	84	1	1.19	4	4.76	49	58.33
Manitou	6	2	33.33	1	16.67	3	50.00
Marquette	227	1	.44	3	1.32	136	59.91
Mason	61	1	1.64	2	3.28	23	37.70
Mecosta	73	4	5.48	4	5.48	32	43.84
Menominee *	9	.....	.....	.....	.....	6	66.67
Midland	52	1	1.92	2	3.85	25	48.08
Missaukee	21	.....	.....	.....	.....	12	57.14
Monroe	310	15	4.84	43	13.87	129	41.61
Montcalm	198	9	4.55	19	9.60	91	45.96
Muskegon *	171	1	.58	5	2.92	80	46.78
Newaygo	78	3	3.85	7	8.97	34	43.59
Oakland	331	22	6.65	60	18.13	78	23.56
Oceana	76	3	3.95	6	7.89	27	35.53
Ogemaw	6	.....	.....	1	16.67	2	33.33
Ontonagon	33	.....	.....	1	3.03	14	42.42
Osceola	89	2	2.25	3	3.37	52	58.43
Otsego	2	.....	.....	.....	.....	2	100.00
Ottawa	249	16	6.43	26	10.44	112	44.98
Presque Isle	26	.....	.....	.....	.....	9	34.62
Roscommon	6	.....	.....	.....	.....	1	16.67
Saginaw	524	23	4.39	31	5.92	228	43.51
Sanilac	135	6	4.44	8	5.93	64	47.41
Schoolcraft *	4	1	25.00	1	25.00	3	75.00
Shiawassee *	137	4	2.92	18	13.14	39	28.47
St. Clair *	319	16	5.02	34	10.66	131	41.07
St. Joseph	204	9	4.41	30	14.71	49	24.02
Tuscola	150	5	3.33	13	8.67	60	40.00
Van Buren	248	10	4.03	38	15.32	73	29.44
Washtenaw	330	37	11.21	73	22.12	87	26.36
Wayne *	1,949	101	5.18	162	8.31	831	45.20
Wexford	86	1	1.16	1	1.16	39	45.35

* Except townships not represented by returns of deaths, see Exhibit II, page 136.

TABLE XXVIII.—CONSUMPTION.—*Exhibiting, for the Year and Months, by Sex, The Conjugal Condition, Occupation, and Age in Periods of Years of All Persons Returned as having Died from Consumption in Michigan during the Year ending December 31, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
91	117	139	173	134	120	144	142	143	144	141	149	4	1,641	Total.....	Total Deaths from Consumption.	75	16	41	139	231	216	156	131	107	103	85	87	70	63	50	31	20	20
56	65	70	98	87	66	83	72	67	85	73	85	2	909	Married...		....	..	..	14	81	136	103	101	86	91	68	70	55	37	33	14	8	12
27	45	47	53	39	42	48	55	60	48	53	53	..	570	Single.....		75	16	40	19	142	75	36	22	15	3	7	3	1	3	5	3	2	3
4	4	16	18	6	8	11	9	13	10	13	10	1	123	Widowed.		....	..	..	..	3	4	11	6	3	7	7	13	13	21	11	13	10	1
4	3	6	4	2	4	2	6	3	1	2	1	1	39	Unknown.		....	..	1	6	5	1	6	2	3	2	3	1	1	2	1	1	..	4
55	63	74	100	69	64	83	78	77	89	74	83	3	912	Total.....	Females.	38	8	33	106	143	138	98	71	53	53	40	34	20	24	17	11	11	14
35	37	34	52	46	36	45	39	34	52	40	49	2	501	Married...		....	..	..	13	70	100	75	54	43	44	28	27	13	11	9	3	2	9
15	21	25	33	20	20	30	30	31	31	25	28	..	309	Single.....		38	8	32	90	67	34	15	10	6	2	2	1	..	..	1	1	..	2
3	3	12	12	2	5	7	7	10	6	9	5	..	81	Widowed.		....	..	..	..	3	4	7	5	1	6	7	6	7	13	7	6	9	..
2	2	3	3	1	3	1	2	2	....	....	1	1	21	Unknown.		....	..	1	3	3	....	1	2	3	1	3	..	..	..	..	1	..	3
36	51	65	73	65	56	61	64	66	55	67	66	1	729	Total.....	Males.	37	8	8	33	88	78	58	60	54	50	45	53	50	39	33	20	9	6
21	28	36	46	41	30	38	33	33	33	33	36	..	408	Married...		....	..	..	1	11	36	28	47	43	47	40	43	42	26	24	11	6	3
12	24	22	20	19	22	18	25	29	17	28	25	..	261	Single.....		37	8	8	29	75	41	21	12	9	1	5	2	1	3	4	2	2	1
1	1	4	6	4	3	4	2	3	4	4	5	1	42	Widowed		....	..	..	..	....	....	4	1	2	1	..	7	6	8	4	7	1	1
2	1	3	1	1	1	1	4	1		2	....	..	18	Unknown.		....	..	..	3	2	1	5	....	....	1	..	1	1	2	1	..	..	1
10	16	18	26	17	11	21	19	17	24	21	19	..	219	Total.....	Occupations Unknown, Total,	....	9	15	36	31	33	19	13	15	8	8	6	3	4	2	2	8	7
1	5	6	10	9	1	10	4	4	9	10	9	..	78	Married...		....	..	..	2	7	19	11	4	8	6	5	3	2	2	2	1	2	4
6	8	6	13	7	6	10	12	6	14	7	9	..	104	Single.....		....	9	14	28	21	10	6	6	6	....	..	1	..	1	..	..	1	1
....	....	3	1	....	1	....	2	5		4	1		18	Widowed.		....	..	..	....	....	3		2	....	1	2	2	1	..		1	5	..

3	3	3	2	1	3	1	1	2	...	....	...	..	19	Unknown.		..	..	1	6	3	1	1		1	1		..	..	1	..	..	..	2
6	10	13	19	11	7	14	13	13	18	17	16	..	157	Total.....		..	6	10	30	20	25	17	7	11	5	5	2	1	2	1	2	6	7
1	3	5	6	5	1	6	2	3	8	8	9	..	57	Married...	Occupations Unknown, Females.	..	..	..	1	7	15	10	2	6	4	2	1	..	2	1	1	1	4
3	5	3	11	5	3	7	9	5	9	5	6	..	71	Single.....		..	6	9	26	11	7	5	2	4	....		..	..	..	..	..	..	1
....	..	3	1	..	1	....	2	4	1	4	1	..	17	Widowed.		..	..	..	..	....	3	1	2	..	1	2	1	1	..	..	1	5	..
2	2	2	1	1	2	1	..	1	...	....	...	..	12	Unknown.		..	..	1	3	2	...	1		1	....		..	..	..	..	..	..	2
4	6	5	7	6	4	7	6	4	6	4	3	..	62	Total.....		..	3	5	6	11	8	2	6	4	3	3	4	2	2	1	..	2	..
....	2	1	4	4	...	4	2	1	1	2	...	..	21	Married...	Occupations Unknown, Males.	..	..	..	1	....	4	1	2	2	2	3	2	2	..	1	..	1	..
3	3	3	2	2	3	3	3	1	5	2	3	..	33	Single.....		....	3	5	2	10	3	1		2	....		1	..	1	..	..	1	..
....	..	....	...	..	...	...	..	1	...	...	...	..	1	Widowed..		....	..	..	..	..	...	...		..	..	..	1	..	..	..	..	..	..
1	1	1	1	..	1	...	1	1	...	...	...	..	7	Unknown.		....	..	..	3	1	1	...		..	1	..	..	..	1	..	..	..	..
81	101	121	147	117	109	123	123	126	120	120	130	4	1,422	Total.....		75	7	26	103	200	183	137	118	92	95	77	81	67	59	48	29	12	13
55	60	64	88	78	65	73	68	63	76	63	76	2	831	Married...	All Specified Occupations, Total.	....	..	..	12	74	117	92	97	78	85	63	67	53	35	31	13	6	8
21	37	41	40	32	36	38	43	54	34	46	44	..	466	Single.....		75	7	26	91	121	65	30	16	9	3	7	2	1	2	5	3	1	2
4	4	13	17	6	7	11	7	8	9	9	9	1	105	Widowed..		....	..	..	..	3	1	10	4	3	6	5	11	12	21	11	12	5	1
1	..	3	2	1	1	1	5	1	1	2	1	1	20	Unknown.		....	..	..	..	2	...	5		2	1	2	1	1	1	1	1	..	2
49	53	61	81	58	57	69	65	64	71	57	67	3	755	Total.....		38	2	23	76	123	113	81	64	42	48	35	32	19	22	16	9	5	7
34	34	29	46	41	35	39	37	31	44	32	40	2	444	Married...	Specified Occupations, Females. (Class XII.)	....	..	..	12	63	85	65	52	37	40	26	26	13	9	8	2	1	5
12	16	22	22	15	17	23	21	26	22	20	22	..	238	Single.....		38	2	23	64	56	27	10	8	2	2	2	1	..	..	1	1	..	1
3	3	9	11	2	4	7	5	6	5	5	4	..	64	Widowed..		....	..	..	..	3	1	6	3	1	5	5	5	6	13	7	5	4	..
....	..	1	2	..	1	...	2	1	...	...	1	1	9	Unknown.		....	..	..	..		...	...		2	1	2	..	..	..	..	1	..	1
32	48	60	66	59	52	54	58	62	49	63	63	1	667	Total.....		37	5	3	27	77	70	56	5	50	47	42	49	48	37	32	20	7	6
21	26	35	42	37	30	31	31	32	32	31	36	..	387	Married..	Specified Occupations, Males. (Classes I.-XI.)	....	..	..	..	11	32	27	45	41	45	37	41	40	26	23	11	5	3
9	21	19	18	17	19	15	22	28	12	26	22	..	228	Single.....		37	5	3	27	65	38	20		7	1	5	1	1	2	4	2	1	1
1	1	4	6	4	3	4	2	2	4	4	5	1	41	Widowed..		....	..	..	..		...	4		2	1	..	6	6	8	4	7	1	1
1	..	2	...	1	...	1	3	..	1	2	...	..	11	Unknown.		....	..	..	..		...	5		..	..	..	1	1	1	1	..	..	1

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
16	19	20	27	31	20	16	23	30	19	22	28	1	272	Total.....	Class I. Cultivators of the Earth.	....	..	1	13	35	27	15	17	16	15	18	27	26	27	16	15	2	2
10	12	13	19	25	10	11	13	20	12	14	17	..	176	Married...		....	..	..	....	8	13	7	15	12	15	18	24	22	19	12	9	2	..
4	7	5	4	4	8	4	7	10	4	5	9	..	71	Single.....		....	..	1	13	27	14	5	2	4	..	..	1	..	2	1	..	..	1
1	....	2	4	2	2	1	2	..	3	2	2	1	22	Widowed.		....	..	..	....	....	....	2	....	..	..	..	2	3	6	2	6	..	1
1	....	....	....	....	....	..	1	..	....	1	..	..	3	Unknown.		....	..	..	....	....	....	1	....	..	..	..	..	1	..	1	..	..	..
....	2	3	5	3	4	7	2	..	3	4	2	..	35	Total.....	Class II. Active Mechanics Abroad.	....	..	..	....	3	5	6	2	2	6	5	2	3	..	..	1	..	..
....	1	3	1	2	3	6	2	..	1	2	2	..	23	Married ..		....	..	..	....	....	1	3	2	2	6	5	2	1	..	..	1	..	..
....	1	....	4	1	1	1	..	..	2	1	..	..	11	Single.....		....	..	..	..	3	4	3	....	..	..	..	..	1	..	..	..	..	..
....	....	....	....	....	....	..	..	..	....	1	..	..	1	Widowed..		....	..	..	....	....	....	....	....	....	..	..	..	1	..	..	..	..	..
2	5	1	7	4	4	4	5	4	3	4	5	..	48	Total.....	Class III. Active Mechanics in Shops.	....	..	..	....	8	4	3	2	7	3	4	6	3	1	4	..	2	1
2	1	....	5	2	3	4	3	2	3	4	3	..	32	Married..		....	..	..	....	1	1	2	1	6	3	2	6	2	1	4	..	2	1
....	4	....	2	1	1	..	2	2	....	..	2	..	14	Single.....		....	..	..	....	6	3	1	1	1		2	..	..	..	..	..	..	..
....	....	....	....	1	....	..	..	..	....	..			1	Widowed.		....	..	..	....	....	....	....	....	....	..	..	..	..	..	..	..		..
....	....	1	....	..	....	..	..	..	....	..			1	Unknown.		....	..	..	....	1	..	....	....	....	..	..	..	..	..	..	..		..
2	1	3	2	2	1	1	2	2	2	2			21	Total.....	Class IV. Inactive Mechanics in Shops.	....	..	..	1	1	5	2	3	1		..	1	2	2	2	..		..
2	1	2	2	1	1	1	2	..	1	1			14	Married...		....	..	..	....	....	1	2	3	1		..	1		2	2	..		..
....	....	1	....	1	..	..	..	1	1	1			6	Single.....		....	..	..	1	1	4	....	....	....		..	..		..	..	..		..
....		....	....	....	....	..	..	1	....	..			1	Widowed.		....	..	..	....	....	..	....	....	....		..	..		..	..	..		..
5	8	13	10	5	13	10	5	5	8	4			95	Total.....	Class V. Laborers—No	....	..	1	4	10	10	11	11	9	11	6	4		2	6	1		3
4	5	7	6	2	9	6	4	2	6	..	6		57	Married...		....	..	..	....	1	4	5	9	7	9	6	4		1	3	..		2
1	3	5	3	3	3	3	..	3	1	4	2		31	Single.....		....	..	1	4	9	6	5	1	1		..	..		..	2	1		..

----	----	----	1	-	1	1	-	----	1	----	1	..	5	Widowed..	Special Trades.	----	..	----		-	----	1		1	-	..	1	1	..	..
----	----	1	----	-	----	----	1	----	----	----	-	..	2	Unknown.		----	..	----		-	1	----		----	-	..	..		..	1
2	2	2	3	2	1	3	3	4	2	9	6	..	39	Total.....	CLASS VI. Agents, Laborers Abroad, etc.	----	..	1	3	9	5	3	5	2	7	1	1		1	..
2	2	1	2	1	1	2	2	2	2	5	5	..	27	Married...		----	..	----		7	4	3	5	2	5	..	1		..	..
----	----	----	----	1	----	1	1	1	----	3	1	..	8	Single.....		----	..	1	3	2	----	----		----	2	..	..	-	..	..
----	----	1	1	-	----	----		1	----	1	-	..	4	Widowed..		----	..	----		-	1	----		----	-	1	..	-	1	..
----	----	----	1	2	----	----	-	1	1	1	-	..	6	Total.....	CLASS VII. Seafaring Men.	----	..	----		1	----	1	2	1	-	..	..	..	1	..
----	----	----	1	1	----	----	-	----	1	----	-	..	3	Married ..		----	..	----		-	----	..		1	-	..	..	-	1	..
----	----	----	----	-	----	----	-	1	----	1	-	..	2	Single. ...		----	..	----		1	----	1		----	-	..	..	-	..	..
----	----	----	----	1	----	----	-	----	----	----	-	..	1	Widowed..		----	..	----		-	----	----		----	-	..	..	..	..	..
----	----	----	----	-	----	----	-	----	----	----	-	..	.....	.....	CLASS VIII. Soldiers.	----	..	----		-	----	----		----	-	..	..	-	..	..
----	----	----	----	-	1	----	-	----	----	----	-	..	1	Married...		----	..	----		-	1	----		----	-	..	..	-	..	..
3	6	10	5	4	4	3	8	4	4	6	6	..	63	Total.....	CLASS IX. Business Men.	----	..	2	10	4	9	11	5	7	1	2	7	2	3	..
----	3	7	4	3	2	2	5	2	3	3	2	..	36	Married...		----	..	----		3	2	9	4	7	1	1	1	1	..	..
3	2	2	1	1	2	----	3	2	1	2	3	..	22	Single.....		----	..	2	10	1	5	2		----	-	..	..	1	..	..
----	1	1	...	-	----	1	-	----	----	----	1	..	4	Widowed.		----	..	----		-	1	----		----	-	1	1	1	..	..
----	----	----	----	-	----	----	-	----	----	1	-	..	1	Unknown.		----	..	----		-	1	----		----	-	..	..	..	..	..
1	1	1	2	-	----	2	1	4	4	1	2	..	19	Total.....	CLASS X. Professional Men.	----	..	2	3	2	1	3	3	1	-	2	1	..	1	..
1	1	1	1	-	----	1	-	3	3	...	1	..	12	Married...		----	..	----		2	1	3	3	1	-	1		-	..	..
----	----	----	1	-	----	1	1	1	1	1	-	..	6	Single.....		----		2	3	-	----	----		----	-	..		..	1	..
----	----	----	----	----	----	----	-	----	----	----	1	..	1	Widowed.		----	..	----		-	----	----		----	-	1		-	..	..
1	4	7	4	6	4	8	9	8	3	10	4	..	68	Total.....	CLASS XI. Unemployed.	37	5	4		3	3	1		1	1	4		1	..	..
----	----	1	1	----	----	1	-	1	----	2	-	..	6	Married...		----		----		-	----	----		1	-	2		1	..	..
1	4	6	3	5	4	5	8	7	2	8	4	..	57	Single.....		37	5	4		3	1	1		----	1	..		..	..	..
----	----	----	----	----	----	1	-	----	----	----	-	..	1	Widowed.		----		----		-	----	----		----	-	1		-	..	..
----	----	----	----	1	----	1	1	----	1	----	-	..	4	Unknown.		----		----		-	2	----		----	-	1		-	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
16	19	20	27	31	20	16	23	30	19	22	28	1	272	.....	Class I.	....	..	1	13	35	27	15	17	16	15	18	27	26	27	16	15	2	2
16	19	19	26	30	20	16	23	28	19	21	27	1	265	Total.....	Farmers.	....	..	1	10	35	27	15	16	13	15	18	26	25	26	16	15	2	2
10	12	13	19	24	10	11	13	19	12	14	16	..	173	Married...		....	..	..	....	8	13	7	14	12	15	18	23	22	18	12	9	2	..
4	7	4	4	4	8	4	7	9	4	4	9	..	68	Single.....		....	..	1	10	27	14	5	2	4	....	..	1	..	2	1	..	..	1
1	....	2	3	2	2	1	2	....	3	2	2	1	21	Widowed..		....	..	..	....	....	....	2	....	....	....	..	2	2	6	2	6	..	1
1	....	..	....	....	....	....	1	....	....		....	..	3	Unknown..		....	..	..	....	....	....	1	....	....	....	..	..	1	..	1	..	..	..
....	....	..	....	....	....	....	....	2	....		....	..	2	Total.....	Farm Laborers.	....	..	..	1	....	....	....	....	....	....	..	1	..	..	..	..	..	..
....	....	..	....	....	....	....	....	1	....		....	..	1	Married...		....	..	..	....	....	....	....	....	....	....	..	1	..	..	..	..	..	..
....	....	..	....	....	....	....	....	1	....		....	..	1	Single.....		....	..	..	1	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....		....	..	2	Single.....	Farmers' Sons.	....	..	..	2	....	....	....	....	....	....	..	..	..	..	..	..	..	..
....	....	..	1	1	....	....	....	....	....		1	..	3	Total.....	Gardeners.	....	..	..	....	....	....	....	1	....	....	..	..	1	1	..	..	..	..
....	....	..	....	1	....	....	....	....	....		1	..	2	Married...		....	..	..	....	....	....	....	1	....	....	..	..	..	1	..	..	..	..
....	....	..	1	....	....	....	....	....	....		....	..	1	Widowed..		....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	2	3	5	3	4	7	2	....	3	4	2	..	35	.....	Class II.	....	..	..	....	3	5	6	2	2	6	5	2	3	..	..	1	..	..
....	....	..	....	....	....	1	....	....	....		....	..	1	Married...	Bricklayers.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....	2	3	4	2	2	4	1	....	1	2	1	..	22	Total.....	Carpenters.	....	..	..	....	1	3	4	2	1	3	4	1	2	..	..	1	..	..
....	1	3	1	1	1	3	1	....	....		1	..	13	Married...		....	..	..	....	....	....	1	2	1	3	4	1	..	..	..	1	..	..
....	1	..	3	1	1	1	....	....	1		....	..	8	Single.....		....	..	..	....	1	3	3	....	....	....	..	..	1	..	..	..	..	..
....	....	..	....	....	....	....	....	....	....		....	..	1	Widowed..		....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....	....	..	....	....	1	....	....	....	....		....	..	1	Married...	Carpenters and Joiners.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....	....	..	....	1	....	....	....	....	....		....	..	1	Married...	Joiners.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..

					1	2			1	1	1		6	Total	Masons.					1	1			1	1	1		1										
					1	2			1		1		5	Married							1			1	1	1		1										
										1			1	Single						1																			
			1				1		1	1			4	Total	Painters.					1	1						1											
							1			1			2	Married													1											
			1						1				2	Single						1	1																	
2	5	1	7	4	4	4	5	4	3	4	5		48		CLASS III.					8	4	3	2	7	3	4	6	3	1	4		2	1
	2				1		2	2	2				9	Total	Blacksmiths.						1		2		1	2	2			1			
					1		2	1	2				6	Married									1		1	1	2			1			
	2							1					3	Single							1		1			1							
					1			1			1		3	Total	Brewers.											2			1				
					1						1		2	Married												1			1				
								1					1	Single												1							
							1						1	Single	Carriage-makers.																		
				1		1							2	Total	Cigar-makers.					1													
						1							1	Married																			
				1									1	Single						1													
			1						1	1			3	Total	Coopers.					1					1							1	
									1	1			2	Married											1							1	
			1										1	Single						1													
		1	1	1									3	Total	Engineers.					1	1						1						
				1									1	Married													1						
			1										1	Single							1												
		1											1	Unknown						1													
	1												1	Single	Finishers.					1													
	1		2										3	Married	Machinists.									1	1								1
1													1	Married	Marble-cutters.									1									

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1				1	1					1			4	Total	Mechanics.						1		2			1							
1				1						1			3	Married	Mechanics.						1		1			1							
					1								1	Single	Mechanics.								1										
				1									1	Widowed	Millers.												1						
											2		2	Single	Molders.					2													
											1		1	Married	Piano-makers.															1			
						1							1	Married	Plumbers.								1										
													1	Single	Saw-makers.						1												
			1										1	Married	Sawyers.											1							
										1			1	Married	Stave and Barrel Manuf'rs.						1												
					1					1			2	Married	Stone-cutters.								1							1			
			1			2					1		4	Married	Tinsmiths.					1						2	1						
							1						1	Single	Turners.					1													
			1				1						2	Married	Wagon-makers.								1							1			
								1					1	Married	Weavers.																		
2		3	2	2	1	1	2	2	2	2	1		21		Class IV.				1	1	5	2	3	1			1	2	2	2			
		1							1				2	Total	Barbers.						1							1					
									1				1	Married	Barbers.													1					
		1											1	Single	Barbers.						1												
							1						1	Married	Glove-makers.								1										
		1			1		1						3	Married	Jewelers.						1			1			1						

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1	1	--	1	----	----	----	----	----	----	----	--	3	Married...	Printers.	----	--	--	----	----	--	1	2		--	--	--	-	-	-	--	--
----	-	1	--	2	----	----	----	----	----	----	--	3	Total.....	Shoemakers.	----	--	--	----	1	--	----	----		--	--	--	1	1	-	--	--
----	-	1	--	1	----	----	----	----	----	----	--	2	Married...		----	--	--	----	----	--	----	----		--	--	--	1	1	-	--	--
----	-	--	--	1	----	----	----	----	----	----	--	1	Single.....		----	--	--	----	1	--	----	----		--	--	--	-	-	-	--	--
----	-	--	1	----	----	----	----	----	----	----	--	1	Married...	Silver smiths.	----	--	--	----	----	--	----	----		--	--	1	-	-	-	--	--
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5	8	13	10	5	13	10	5	5	8	9	--	95	.....	CLASS V.	----	--		4	10	10	11	11	9		6	4	5	2	6	1		3
4	8	13	10	5	12	9	5	5	8	8	--	91	Total.....	Laborers.	----	--		4	10	10	10	10	9		6	3	4	2	6	1		3
3	5	7	6	2	8	5	4	2	6	5	--	53	Married...		----	--			1	4	4	8	7	9	6	3	4	1	3			2
1	3	5	3	3	3	3	----	3	1	2	--	31	Single.....		----	--		4	9	6	5	1	1		--	--	--	-	2	1		--
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2	2	2	3	2	1	3	3	4	2	6	--	39	.....	CLASS VI.	----	--			3	9	5	3	5		7	1	1	1		1		--
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TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
1	....	....	....	....	....	....	....	....		....		..	1	Married...	Constables.	....	..	..		....	1	.	....	....	....	..	..		..	..	..	..	..
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....	....	....	....	....	....	....	....	....		1	.	..	1	Single.....	Drovers.	....	..	..		....	1	.	....	....	....	..	..		..	..	..	..	..
....	....	....	1	....	....	....	....	....		....	.	..	1	Married...	Engin'rs, Locomotive.	....	..	..		....	1	.	....	....	....	..	..		..	..	..	..	..
....	....	....	....	....	1	....	1	....		2	1	..	5	Total.....	Hunters.	....	..	..		1	1	1	....	1	....	..	..		..	..	..	..	..
....	....	....	....	....	1	....	....	....		1	1	..	3	Married...		....	..	..		....	1	1	....	1	....	..	..		..	..	..	..	..
....	....	....	....	....	....	....	1	....		1	.	..	2	Single.....		....	..	..		1	....	.	....	....	....	..	..		..	..	..	..	..
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....	1	1	....	....	....	....	1	1		1	1	..	6	Total.....	Miners.	....	..	..		....	1	1	2	....	....	1	1		..	..	..	..	..
....	1	....	....	....	....	....	1	1		1	1	..	5	Married...		....	..	..		....	1	1	2	....	....	1	..		..	..	..	..	..
....	....	1	....	....	....	....	....	....		....	.	..	1	Widowed.		....	.	..		....	....	.	....	....	....	..	1		..	..	..	..	..
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....	....	....	....	....	....	....	....	....		1	.	..	1	Single.....	Policemen.	....	..	..		....	....	.	....	....	....	1	..		..	..	..	..	..
....	....	....	....	....	....	....	1	....		....	1	..	2	Total.....	R. R. Conductors.	....	..	..		....	1	.	....	1	....	..	..		..	..	..	..	..
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....	.	..	1	.	.	.	..	....	....	.	..	..	1	Widowed..	Traveling Salesmen.		....	..	..	....	...	.	1	....	.	....	..	..	..	..	.	..	..
....	.	..	1	2	.	.	..	1	1	1	..	..	6	.....	CLASS VII.		....	..	..	....	...	1	....	1	2	1	..	..	..	..	1	..	..
....	.	..	.	.	.	.	..	....	1	.	..	..	1	Married...	Fishermen.		....	..	..	....	...	.	....	....	.	1	..	..	..	..	.	..	..
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....	.	..	1	....	.	.	..	....	....	.	..	..	1	Married...	Sea Captains.		....	..	..	....	...	.	....	....	.	....	..	..	..	..	1	..	..
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3	6	10	5	4	4	3	8	4	4	6	6	..	63	.....	CLASS IX.		....	..	..	2	10	4	9	11	5	7	1	2	7	2	3	.	..	..
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....	.	1	....	....	.	.	.	....	....	.	.	..	1	Single.....			....	..	..	....	...	.	1	....	.	....	..	..	..	.	.	..	..
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....	.	1	....	....	.	.	.	....	....	.	.	..	1	Married...	Boot & Shoe Dealers.		....	..	..	....	...	.	....	1	.	....	..	..	..	.	.	..	..
3	2	2	....	....	1	.	2	1	1	2	4	..	18	Total.....			....	..	..	2	8	1	1	4	1	1	..	..	..	.	.	..	..
....	1	1	....	..	.	.	1	....	1	.	1	..	5	Married...	Clerks.		....	..	..	....	...	1	.	2	1	1	..	..	..	.	.	..	..
3	1	1	....	....	1	.	1	1	....	2	3	..	13	Single.....			....	..	..	2	8	.	1	2	.	....	..	..	..	.	.	..	..
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TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....		1	....	....	....	....	....	....	....	....	1	..	3	Total.....	County Clerks.	....	..	..	....	....	....	1	....	....	....	1	1	..	..	..	..	..	..
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....		....	....	1	....	....	....	....	....	....	....	..	1	Single.....	Druggists.	....	..	..	....	1	....	....	....	....	....	..	..	..	..	..	..	..	..
....		....	....	....	....	....	....	....	1	....	....	..	1	Married...	Expressmen.	....	..	..	....	....	....	....	....	....	1	..	..	..	..	..	..	..	..
....		....	..	1	....	....	....	....	....	....	....	..	1	Married...	Furniture Dealers	....	..	..	....	....	....	....	....	....	....	..	..	1	..	..	..	..	..
....		....	..	1	....	....	....	....	....	1	1	..	3	Married...	Grocers.	....	..	..	....	....	....	....	....	....	....	..	..	2	..	1	..	..	..
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....		2	1	1	....	....	2	1	....	....	....	..	7	Total.....	Hotel-keepers.	....	..	..	....	....	....	2	....	1	2	..	..	2	..	..	..	..	..
....		2	1	1	....	....	1	1	....	....	....	..	6	Married...		....	..	..	....	....	....	1	....	1	2	..	..	2	..	..	..	..	..
....		....	..	....	....	....	1	....	....	....	....	..	1	Single.....		....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
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....		1	1	....	....	1	3	1	....	1	....	..	9	Total.....	Merchants.	....	..	..	....	1	....	1	2	2	....	..	1	..	1	1	..	..	..
....		....	1	....	....	1	2	....	....	1	....	..	6	Married...		....	..	..	....	....	....	1	2	1	....	..	1	..	1	..	..	..	..
....		....	..	....	....	....	1	1	....	....	....	..	2	Single.....		....	..	..	....	1	....	....	....	1	....	..	..	..	..	..	..	..	..
....		1	..	....	....	....	....	....	....	....	....	..	1	Widowed..		....	..	..	....	....	....	....	....	....	....	..	..	..	..	1	..	..	..
....		....	..	....	....	....	....	....	....	1	....	..	1	Unknown.	Real Estate Deal'rs.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....		....	..	....	....	....	....	....	....	....	....	..	1	Single.....	Salesmen.	....	..	..	....	....	....	1	....	....	....	..	..	..	..	..	..	..	..
....		1	..	....	1	....	....	1	1	....	....	..	4	Total.....	Saloon-keepers.	....	..	..	....	....	1	....	1	1	1	..	..	..	..	..	..	..	..
....		1	..	....	1	....	....	1	....	....	....	..	3	Married...		....	..	..	....	....	....	....	1	1	1	..	..	..	..	..	..	..	..

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....	..	..	1	..	..	..	..	..	..	..	..	..	..	1	Single.....	Undertakers.		..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
....	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Married...	Wool Dealers.		..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
1	1	..	2	..	..	..	2	1	4	4	1	2	..	19	.....	CLASS X.		..	..	..	2	3	2	1	3	3	1	..	2	..	1	..	1	..	..
1	..	..	..	..	..	..	..	..	..	..	..	1	..	2	Total.....			..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..
1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	Married...	Dentists.		..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
....	..	..	..	..	..	..	..	..	..	..	..	1	..	1	Widowed..			..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
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....	1	..	..	..	..	..	..	1	..	1	..	..	..	3	Total.....			..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	1	..	..
....	1	..	..	..	..	..	..	1	..	..	..	..	..	2	Married...	Ministers.		..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..
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....	..	..	1	..	..	..	..	1	1	..	..	..	..	3	Single.....	Students.		..	..	..	2	1		..		..	..	..	..	..	..	..	..	..	..
....	..	..	1	..	..	..	1	1	..	2	..	..	..	5	Total.....			..	..	..	..	2		..	2	..	..	..	..	..	..	..	..	..	..
....	..	..	1	..	..	..	..	..	..	2	..	..	..	3	Married...	Teachers.		..	..	..	..	..		..	2	..	..	..	..	..	..	..	..	..	..
....	..	..	..	..	..	..	1	1	..	..	..	..	..	2	Single.....			..	..	..	..	2		..	..	..	..	..	..	..	..	..	..	..	..
1	4	7	4	6	4	8	9	8	3	10	4	..	..	68	.....	CLASS XI.		37	5	..	4	4	3	3	1	..	1	1	4	1	1	1	..	1	..
....	..	1	..	..	..	..	..	1	..	..	..	..	..	2	Total.....			..	..	..	..	1		..	..	..	..	1	..	..	..	..	..	..	..
....	..	1	..	..	..	..	..	..	..	..	..	..	..	1	Married...	Paupers.		..	..	..	..	1		..	..	..	..	..	..	..	..	..	..	..	..
....	..	..	..	..	..	..	..	1	..	..	..	..	..	1	Single.....			..	..	..	..	..		..	..	..	..	1	..	..	..	..	..	..	..
1	4	6	4	6	4	8	9	7	3	10	4	..	..	66	Total.....			37	5	..	4	3		3	1	..	1	..	4	1	1	1	..	1	..
....	..	..	1	..	..	..	1	..	1	..	2	..	..	5	Married...			..	..	..	..	..		..	..	..	1	..	2	1	..	1	..	..	..
1	4	6	3	5	4	5	8	6	2	8	4	..	..	56	Single.....	Unemployed.		37	5	..	4	3		1	1	..	..	..	..	..	..	..	..	1	..
....	..	..	..	..	..	1	..	..	..	..	..	..	..	1	Widowed.			..	..	..	..	..		..	..	..	..	..	1	..	..	..	..	..	..
....	..	..	..	1	..	1	1	..	1	..	..	..	..	4	Unknown.			..	..	..	..	..		2	..	..	..	..	1	..	1	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.													Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
49	53	61	81	58	57	69	65	64	71	57	67	3	755	.....	Class XII. (Females.)	38	2	23	76	123	113	81	64	42	48	35	32	19	22	16	9	5	7
....	....	....	1	....	....	....	....	....	....	....	....	....	1	Widowed..	Astrologists.	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
1	....	....	....	1	....	....	....	....	....	1	....	....	3	Single.....	"At Home."	....	....	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	1	....	....	....	....	....	....	....	....	....	....	1	Married...	Bakers.	....	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	1	....	....	....	....	....	....	....	....	....	1	Married...	Book-keepers.	....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
....	....	....	....	....	1	....	....	....	....	....	....	....	1	Single.....	Carpenters' Daughters.	....	....	....	1	....	....	....	....	....	....	....	....	....	....	....	....	....	....
1	1	1	1	4	....	3	1	2	1	3	2	....	20	Total.....	Domestics.	....	....	1	5	4	2	1	1	1	1	1	....	....	2	1	....	....	....
....	....	....	1	1	....	....	....	....	....	1	....	....	3	Married...		....	....	....	....	....	....	....	....	1	1	....	....	....	....	1	....	....	....
1	1	....	....	3	....	3	1	2	....	2	2	....	15	Single.....		....	....	1	5	4	2	1	1	....	....	1	....	....	....	....	....	....	....
....	....	1	....	....	....	....	....	....	1	....	....	....	2	Widowed..		....	....	....	....	....	....	....	....	....	....	....	....	....	2	....	....	....	....
1	....	....	....	....	....	....	1	1	2	1	....	....	6	Total.....	Dress-makers.	....	....	....	1	2	1	....	....	1	....	....	1	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	1	....	....	....	1	Married....		....	....	....	....	....	....	....	....	1	....	....	....	....	....	....	....	....	....
1	....	....	....	....	....	....	1	1	1	....	....	....	4	Single.....		....	....	....	1	2	1	....	....	....	....	....	....	....	....	....	....	....	....
....	....	....	....	....	....	....	....	....	....	1	....	....	1	Widowed..		....	....	....	....	....	....	....	....	....	....	....	1	....	....	....	....	....	....
4	5	4	7	6	4	2	6	2	5	4	2	....	51	Total.....	Farmers.	....	....	1	1	12	6	6	2	4	9	1	3	2	....	3	1	....	....
4	5	2	5	5	3	1	5	....	3	1	....	....	34	Married...		....	....	....	....	5	4	4	1	4	8	1	2	2	....	3	....	....	....
....	....	1	....	1	1	1	....	1	2	2	2	....	11	Single.....		....	....	1	1	6	2	1	....	....	....	....	....	....	....	....	....	....	....
....	....	1	2	....	....	....	1	1	....	1	....	....	6	Widowed..		....	....	....	....	1	....	1	1	....	1	....	1	....	....	....	1	....	....
1	....	1	1	....	....	2	....	1	1	1	1	....	9	Single.....	Farmers' Daughters.	....	....	3	3	2	....	....	1	....	....	....	....	....	....	....	....	....	....
1	6	2	2	....	2	3	3	....	3	1	4	....	27	Total.....	Farmers' Wives.	....	....	....	....	4	6	2	2	3	2	3	....	1	....	1	1	1	1
1	5	1	2	....	2	3	3	....	3	1	4	....	25	Married...		....	....	....	....	4	6	2	2	2	2	3	....	1	....	1	1	....	1

....	1	....	....	....	....	....	....	....	....	....	....	..	1	Widowed..		....	..	..	....	..	..	..	..	..		..	..	.	..	..	1	..
....	....	1	....	....	....	....	....	....	....	....	....	..	1	Unknown.		....	..	..	....	..	..	..	..	1		..	..	.	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	2	Single.....	Fishers.	....	..	..	1	..	..	..	..	..		..	..	.	..	..	..	..
....	....	....	....	....	....	....	....	....	....	....	1	..	1	Married...	Gardeners' Wives.	....	..	..	....	..	1	..	..	..		..	..	.	..	..	..	..
8	10	15	17	13	12	5	12	10	9	10	8	..	129	Total.....	Housekeepers.	....	..	1	9	19	21	19	16	8		5	7	3	5	2	3	2	2
5	7	8	8	10	8	3	8	8	7	7	6	..	85	Married...		....	..	..	4	11	14	15	13	8	3	3	6	2	2	1	..	1	2
1	3	4	5	2	2	1	4	2	2	1	2	..	29	Single.....		....	..	1	5	8	7	3	2	..		..	1	.	..	..	1	..	..
2	....	3	3	1	1	1	....	....	....	2	....	..	13	Widowed..		....	..	..	....	..	..	1	1	..	2	1	..	1	3	1	2	1	..
....	....	....	1	....	1	....	....	....	....	....	....	..	2	Unknown.		....	..	..	....	..	..	..	..	..		1	..	.	..	..	..	..	..
22	17	18	29	20	21	33	19	22	31	18	23	2	275	Total.....	Housewives.	....	..	..	5	37	52	40	33	18	22	19	17	10	11	4	2	2	3
21	16	15	27	19	17	30	16	18	26	16	22	2	245	Married...		....	..	..	2	33	50	39	31	18	21	17	14	8	7	2	1	..	2
....	....	2	....	1	1	1	1	....	1	1	....	..	8	Single.....		....	..	..	3	2	2	..	..	.		..	..	.	..	..	..	..	1
1	1	1	2	....	3	2	1	3	4	1	1	..	20	Widowed..		....	..	..	..	1	..	1	1	.		2	3	2	4	2	1	2	..
....	....	....	....	....	....	....	1	1	....	....	....	..	2	Unknown.		....	..	..	....	1	..	..	1	.		..	..	.	..	..	..	..	..
4	4	4	3	3	....	2	2	3	3	6	3	..	37	Total.....	House-workers.	....	..	..	12	7	8	1	3	2		1	1	1	..	..	..	..	..
1	....	1	....	3	....	....	....	1	1	2	1	..	10	Married...		....	..	..	1	1	4	..	1	.		1	1	.	..	..	..	..	..
3	4	2	3	....	....	2	2	2	2	4	1	..	25	Single.....		....	..	..	11	6	4	..	2	2		..	..	.	..	..	..	..	..
....	....	1	....	....	....	....	....	....	....	....	1	..	2	Widowed..		....	..	..	....	..	..	1	..	.		..	..	1	..	..	..	..	..
....	....	....	....	....	....	....	1	....	....	....	....	..	1	Married...	Laborers' Wives.	....	..	..	....	..	..	..	..	.		..	..	.	..	..	..	..	..
....	....	....	....	1	....	....	....	....	....	....	....	..	1	Married...	Masons' Wives.	....	..	..	....	..	..	..	..	.		..	..	.	..	..	..	..	..
....	....	....	....	....	1	1	....	....	....	....	....	..	2	Total.....	Matrons.	....	..	..	....	..	1	..	..	.		..	..	.	..	..	..	..	..
....	....	....	....	....	1	....	....	....	....	....	....	..	1	Married...		....	..	..	....	..	1	..	..	.		..	..	.	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Single.....		....	..	..	....	..	..	..	..	.		..	..	.	..	..	..	..	..
....	....	1	....	....	....	1	....	....	....	....	....	..	2	Married...	Merchants.	....	..	..	....	..	1	1	..	.		..	..	.	..	..	..	..	..
....	....	....	....	....	....	....	....	1	....	....	....	..	1	Married...	Midwives.	....	..	..	....	..	..	..	..	.		.	1	.	..	..	..	..	..

TABLE XXVIII.—CONTINUED.—*Deaths from Consumption, 1878.*

Months, 1878.												Year, 1878.	Conjugal Condition.	Sex and Occupation.	Ages in Periods of Years,—1878.																	
January.	February.	March.	April.	May	June.	July	August.	September.	October.	November.	December.	Unknown.				Under 5.	5 to 10.	10 to 15.	15 to 20.	20 to 25.	25 to 30.	30 to 35.	35 to 40.	40 to 45.	45 to 50.	50 to 55.	55 to 60.	60 to 65.	65 to 70.	70 to 75.	75 to 80.	80 and over.	Unknown.
....		.	1		....		....	.		1	1	5	Total.....	Milliners.	....	..	..	1	1	2	....	1	....		..	..	..	..	..	..	..	..
....		.	1		....		....	.		1	1	3	Married...		....	..	..	1	.	1	....	1	....		..	..	..	..	..	..	..	..
....		.	....		....		....	.		....	....	2	Single.....		....	..	..	....	1	1	....	.	....		..	..	..	..	..	..	..	..
....		.	....		....		....	1		....	1	2	Married...	Music Teachers.	....	..	..	....	1	....	1	.	....		..	..	..	..	..	..	..	..
....	....	....	....		....		....	.		1	....	1	Single.....	Paper Pickers.	....	..	..	1	.	....	....	.	....	....	..	..	..	..	..	..	..	..
....	....	....	1		....		....	.		....	....	1	Single.....	Paupers.		..	..	1	.	....	....	.	....	....	..	..	..	..	..	..	..	..
....	....	.	....		....		1	.		.	....	1	Married...	Physicians.		..	..	....	.	1	....	.		....	..	..	..	..	..	..	..	..
....		.	....		....		....	.		1	....	1	Married...	Physicians' Wives.		..	..	....	.	1	....	.		....	..	..	..	..	..	..	..	..
....		2	....		1		2	2		1	2	12	Total.....	Seamstresses.		..	..	3	3	2	3	1		....	..	..	..	..	..	..	..	..
....		.	....		....		....	1		....	....	2	Married...			..	..	....	.	....	2	.		....	..	..	..	..	..	..	..	..
....		2	....		1		2	1		1	2	10	Single.....			..	..	3	3	2	1	1		....	..	..	..	..	..	..	..	..
1		.	....		....		....	.		....	....	2	Single	Servants.		..	..	1	1	....	....	.		....	..	..	..	..	..	..	..	..
....		1	1		1	3		1		....	1	11	Total.....	Students.		..	4	7	.	....	....	.		....	..	..	..	..	..	..	..	..
....		.	....	....	....	.		.		....	....	1	Married...					1	.	....	....	.		....	..	..	..	..	..	..	..	..
....		1	1	1	1	3		1		....	1	10	Single.....					6	.	....	....	.		....	..	..	..	..	..	..	..	..
....		.	....		.	.		.		....	1	1	Widowed .	Tailoresses.				.	.	....	....	.		....	..	..	..	..	1	..	..	..
1		2	2		3	1	3	3		2	3	25	Total.....	Teachers.				6	9	3	3	2		....	1	..	..	..			..	1
1		.	....		2	.		.		....	1	6	Married...					1	4	....	....	1		....	..	..	..	..			..	..
....		1	2		1	1		3		2	2	16	Single.....					5	5	2	2	1		....	1	..	..	..			..	..
....		1	....		.	.				....	....	2	Widowed .					.		1	1	.		....	..	..	..	..			..	..
....		.	....		.	.				....	....	1	Unknown.					.	....	....	....			....	..	..	..	..			..	1

3	7	9	14	6	10	9	12	14	10	6	14	..	114	Total.....	Unemployed.	38	2	12	17	19	5	2	....	3	2	3	..	2	3	4	2	..	..
....	....			2	1	.			....	2	3	..	10	Married...		....	..	..	2	3	1	....	....	2	1	1	..	..	..	..	..	..	..
3	6	8	9	3	9	8	8	12	10	4	9	..	89	Single.....		38	2	12	15	15	4	2	....	....	....	..	..	..	..	1	..	..	..
....	1	1	3	1	....	1	2	2	....	....	1	..	12	Widowed.		....	..	..	....	1	....	....	....	....	1	1	..	2	3	3	1	..	..
....	....	....	1	....	....	....	1	....	....	....	1	..	3	Unknown.		....	..	..	....	....	....	....	....	1	....	1	..	..	..	..	1	..	..
....	....	....	....	....	....	2	....	....	....	....	....	..	2	Widowed.	Washer-women.	....	..	..	....	....	....	1	....	....	....	1	..	..	..	..	..	..	..
....	....	....	....	....	....	1	....	....	....	....	....	..	1	Widowed.	Weavers.	....	..	..	....	....	....	....	....	....	....	..	..	..	1	..	..	..	..
1	....	....	....	....	1	1	....	1	2	....	....	..	6	Married...	Wives.	....	..	..	....	....	....	1	2	1	1	..	1	..	..	..	..	..	..

EXHIBIT Q.—*The Average Age of the Inhabitants of Michigan, of both Sexes, of each Sex, and the difference between the Sexes, for All Living June 1, 1870, and All Returned as having Died during the Year ending June 1, 1870, as Compiled from the U. S. Census of that date; for All Returned as having Died from Consumption during the Years 1870 to 1878, inclusive, for all returned as having died from All Causes during the years 1870 to 1878, inclusive; as shown by the Registration Returns; for All Living Aged 20 and Over as per Census June 1, 1870; for All Aged 20 and Over whose Ages and Occupations were stated in the Registration Returns of Deaths for the Years 1870 to 1878, inclusive, and for the Native and Foreign-born Inhabitants Returned as having Died during the Years 1873 to 1878, inclusive.*

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as per Census	June 1, 1870.	24.79	25.17	24.39	.78
Living, as per Census	June 1, 1870.	24.32	24.91	23.68	1.23
All Living aged 20 and over, per Census	June 1, 1870.	38.23	38.61	37.80	.81
Deaths, as shown by Registration Returns	Dec. 31, 1870.	23.50	24.05	22.89	1.16
Deaths from Consumption, by Registration Returns	Dec. 31, 1870.	34.95	36.89	33.14	3.75
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1870.	51.01	52.45	45.96	6.49
"Average years of life" after the age of 20 years, as shown by Table VII., page 197, Report for 1872, plus 20 years,—indicating the "Average Age at Death" of all who died aged 20 years and over according to that Life Table	Dec. 31, 1870.	.....	63.72	62.02	1.70
Deaths, as shown by Registration Returns	Dec. 31, 1871.	25.63	26.78	24.50	2.28
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1871.	51.44	52.79	46.45	6.34
Deaths, as shown by Registration Returns	Dec. 31, 1872.	24.17	25.69	23.17	1.92
Deaths from Consumption, by Registration Returns	Dec. 31, 1872.	35.05	39.10	31.19	7.91
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1872.	50.73	51.90	47.08	4.82
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1872.	49.72	51.67	47.42	4.25
Deaths, as shown by Registration Returns	Dec. 31, 1873.	31.20	31.95	30.14	1.81
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	27.25	27.76	26.71	1.05
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1873.	43.87	40.68	42.35	-1.67
Deaths from Consumption, by Registration Returns	Dec. 31, 1873.	37.81	40.20	35.77	4.43
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1873.	50.17	56.51	48.27	8.24
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1873.	49.87	51.48	47.66	3.82
Deaths, as shown by Registration Returns	Dec. 31, 1874.	25.33	25.78	24.09	.83
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	20.26	23.99	20.25	3.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1874.	47.15	47.99	46.13	1.86
Deaths from Consumption, by Registration Returns	Dec. 31, 1874.	36.48	39.90	33.44	6.46
All aged 20 and over whose occupations were stated in Registration Returns of Deaths	Dec. 31, 1874.	50.77	52.70	48.23	4.47
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1874.	50.89	52.84	48.72	4.12
Deaths, as shown by Registration Returns	Dec. 31, 1875.	25.32	26.31	24.36	1.95
Deaths of Native-born Inhabitants, as shown by Registration Returns	Dec. 31, 1875.	20.17	20.73	19.88	.85
Deaths of Foreign-born Inhabitants, as shown by Registration Returns	Dec. 31, 1875.	46.90	48.68	44.49	4.19
Deaths from Consumption, by Registration Returns	Dec. 31, 1875.	35.77	38.19	33.58	4.61
All aged 20 and over, whose Occupations were stated in Registration Returns of Deaths	Dec. 31, 1875.	51.07	53.29	47.87	5.42
All who died aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.65	52.79	48.06	4.73
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.68	53.86	47.61	6.25
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns	Dec. 31, 1875.	50.77	52.37	48.54	3.83

EXHIBIT Q.—CONTINUED.

	Year Ending:	Average Age in Years and Hundredths of a Year.			
		Total.	Males.	Females.	Excess, Males.
Deaths, as shown by Registration Returns	Dec. 31, 1876.	25.83	26.79	25.04	1.75
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.86	21.34	20.60	.74
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		47.33	48.91	46.68	2.23
Deaths from Consumption, by Registration Returns		35.70	40.20	33.40	6.80
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.93	54.00	49.89	4.11
All who died aged 20 years and over, as shown by Registration Returns		51.94	53.91	49.88	4.03
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.09	54.46	48.92	5.54
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		52.25	53.70	51.96	1.74
Deaths, as shown by Registration Returns	Dec. 31, 1877.	25.89	26.44	25.44	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.30	20.22	20.57	-.35
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.31	50.31	48.00	2.31
Deaths from Consumption, by Registration Returns		36.34	39.42	33.94	5.48
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		51.71	53.89	49.55	4.34
All who died aged 20 years and over, as shown by Registration Returns		51.88	54.03	49.65	4.38
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.25	54.13	48.43	5.70
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.01	53.95	51.78	2.17
Deaths as shown by Registration Returns	Dec. 31, 1878.	26.41	26.99	25.99	1.00
Deaths of Native-born Inhabitants, as shown by Registration Returns		20.74	21.20	21.10	.10
Deaths of Foreign-born Inhabitants, as shown by Registration Returns		49.75	50.96	48.85	2.11
Deaths from Consumption, by Registration Returns		36.67	40.95	33.25	7.70
All aged 20 and over whose occupations were stated in Registration Returns of Deaths		52.45	54.21	50.41	3.80
All who died aged 20 years and over, as shown by Registration Returns		52.40	54.17	50.57	3.60
Deaths of Native-born Inhabitants aged 20 years and over, as shown by Registration Returns		51.01	54.20	49.57	4.63
Deaths of Foreign-born Inhabitants aged 20 years and over, as shown by Registration Returns		53.84	54.88	53.15	1.73

Table XXIX. contains data concerning the influence of occupations upon the death-rate. Of all the decedents in 1878 aged 20 years and over, the average age was 52.39 years. Excepting Class VIII.,—Soldiers,—of which there was only one decedent in 1878, the decedents in Class VI. show the smallest average age, being only 41.83 years; and excepting the unemployed, Class I.,—cultivators of the earth,—shows the greatest average age, being 58.73 years.

TABLE XXIX.—*Exhibiting, for Decedents Aged 20 Years and Over, in 1878, by Classified Occupations, the Number and the Aggregate and Average Ages of All returned, of All whose Occupations and Ages were returned, and of All whose Occupations were not Specified, One-half of a Year added to Age of each Person in place of Months and Days excluded.*

Class.	OCCUPATIONS,—1878.	Number of Persons.	Age in Years and 100ths.	
			Aggregate.	Average.
	ALL AGED 20 YEARS AND OVER	5,835	305,700.50	52.39
	ALL SPECIFIED OCCUPATIONS,—AGED 20 YEARS AND OVER	5,272	276,499.50	52.45
	OCCUPATIONS UNSPECIFIED,—AGED 20 YEARS AND OVER	563	29,201.00	51.87
I.	CULTIVATORS OF THE EARTH	1,444	84,799.50	58.73
II.	ACTIVE MECHANICS ABROAD	163	8,552.50	52.47
III.	ACTIVE MECHANICS IN SHOPS	187	10,065.50	53.83
IV.	INACTIVE MECHANICS IN SHOPS	102	5,334.50	52.30
V.	LABORERS,—NO SPECIAL TRADE	412	18,813.50	45.66
VI.	AGENTS, LABORERS ABROAD, ETC.	117	4,894.50	41.83
VII.	SEAFARING MEN	21	1,007.50	47.98
VIII.	SOLDIERS	1	32.50	32.50
IX.	BUSINESS MEN	206	9,920.50	48.16
X.	PROFESSIONAL MEN	76	4,058.50	53.40
XI.	UNEMPLOYED	97	5,721.50	58.98
XII.	FEMALES	2,446	123,239.60	50.41
I.	CULTIVATORS OF THE EARTH	1,444	84,799.50	58.73
	Farmers	1,425	83,720.00	58.76
	Farm Laborers	1	59.50	59.50
	Farmers, Retired	4	280.00	70.00
	Farmers' Sons	2	45.00	22.50
	Fruit-growers	2	81.00	40.50
	Gardeners	10	614.00	61.40
II.	ACTIVE MECHANICS ABROAD	163	8,552.50	52.47
	Brick-layers	2	82.00	41.00
	Carpenters	95	5,042.00	53.07
	Carpenters and Joiners	3	182.00	60.67
	Joiners	3	178.00	59.33
	Masons	30	1,687.00	56.23
	Painters	22	897.00	40.77
	Ship-builders	1	42.50	42.50
	Ship-carpenters	5	330.00	66.00
	Stone-masons	2	112.00	56.00

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
III.	ACTIVE MECHANICS IN SHOPS	187	10,065.50	53.83
	Bakers	3	197.00	65.67
	Blacksmiths	39	2,389.00	61.03
	Boiler-makers	1	42.50	42.50
	Brewers	10	472.00	47.20
	Broom-makers	1	26.50	26.50
	Brush-makers	1	39.50	39.50
	Cabinet-makers	3	173.00	57.67
	Carriage-makers	3	151.00	50.33
	Confectioners	2	94.00	47.00
	Cooks	1	26.50	26.50
	Coopers	11	607.00	55.18
	Dyers	1	65.50	65.50
	Engineers	14	545.00	38.93
	Finishers	2	43.00	21.50
	Gunsmiths	1	54.50	54.50
	Locksmiths	2	109.00	54.50
	Machinists	13	634.00	48.77
	Marble-cutters	2	88.00	44.00
	Mechanics	28	1,589.00	56.75
	Millers	7	418.00	59.71
	Millwrights	6	389.00	64.83
	Model-makers	3	189.00	63.00
	Molders	3	110.00	36.67
	Piano-makers	1	71.50	71.50
	Plumbers	2	68.00	34.00
	Saw-makers	1	28.50	28.50
	Sawyers	3	140.00	46.67
	Shingle-makers	1	33.50	33.50
	Smelters	1	44.50	44.50
	Silversmiths	1	63.50	63.50
	Stone-cutters	2	115.00	57.50
	Tanners	1	46.50	46.50
	Tinkers	1	70.50	70.50
	Tinsmiths	5	241.00	48.20
	Wagon-makers	7	414.00	59.14
	Wax-workers	1	56.50	56.50
	Weavers	2	173.00	56.50
	Wheelwrights	1	56.50	56.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
IV.	INACTIVE MECHANICS IN SHOPS	102	5,334.50	52.30
	Barbers	5	220.00	44.00
	Cigar-makers	8	252.00	31.50
	Glove-makers	1	38.50	38.50
	Harness-makers	7	343.00	49.00
	Jewelers	11	488.00	44.36
	Printers	7	270.00	38.57
	Shoe-makers	30	1,956.00	65.20
	Tailors	27	1,608.00	59.56
	Telegraph Operators	6	159.00	26.50
V.	LABORERS—NO SPECIAL TRADES	412	18,813.50	45.66
	Blasters	1	47.50	47.50
	Bosses in Lumber Camps	1	35.50	35.50
	Brick-makers	3	194.00	64.67
	Colliers	1	52.50	52.50
	Firemen	1	31.50	31.50
	Firemen in Mills	1	28.50	28.50
	Grave-diggers	1	57.50	57.50
	House-workers	1	20.50	20.50
	Laborers	354	16,329.00	46.13
	Miners	34	1,431.00	42.09
	Packers	1	67.50	67.50
	Porters	1	48.50	48.50
	Raftsmen	1	23.50	23.50
	Salt-packers	1	62.50	62.50
	Scalers	1	33.50	33.50
	Servants	1	22.50	22.50
	Stewards	1	23.50	23.50
	Warehouse-men	1	38.50	38.50
	Watchmen	1	31.50	31.50
	Well-diggers	1	55.50	55.50
	Whitewashers	1	73.50	73.50
	Wood-choppers	1	55.50	55.50
	Woodsmen	2	50.00	25.00
VI.	AGENTS, LABORERS ABROAD, ETC.	117	4,894.50	41.83
	Agents	6	258.00	43.00
	Auctioneers	1	53.50	53.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
VI.	AGENTS, LABORERS ABROAD, ETC.—(Continued.)			
	Baggage-men	2	93.00	46.50
	Brakemen	12	335.00	27.92
	Butchers	10	462.00	46.20
	Car Inspectors	1	41.50	41.50
	Coachmen	1	24.50	24.50
	Commercial Travelers	1	27.50	27.50
	Constables	2	68.00	34.00
	Draymen	2	87.00	43.50
	Drivers	1	53.50	53.50
	Drovers	2	62.00	31.00
	Farriers	1	56.50	56.50
	Foremen	1	48.50	48.50
	Hostlers	1	40.50	40.50
	Hunters	4	152.00	38.00
	Light-house Keepers	1	34.50	34.50
	Livery-keepers	4	177.00	44.25
	Lumbermen	20	954.00	47.70
	Mine Captains	2	96.00	48.00
	Musicians	1	35.50	35.50
	Peddlers	6	305.00	50.83
	Policemen	3	139.00	46.33
	R. R. Conductors	2	66.00	33.00
	R. R. Employes	3	116.00	38.67
	R. R. Engineers	2	77.00	38.50
	R. R. Men	6	210.00	35.00
	Sextons	1	76.50	76.50
	Stall-keepers in Market	1	41.50	41.50
	Teamsters	12	477.00	39.75
	Toll-keepers	2	128.00	64.00
	Traveling Agents	2	65.00	32.50
	Yard-masters	1	33.50	33.50
VII.	SEAFARING MEN	21	1,007.50	47.98
	Captains of Tugs	1	42.50	42.50
	Fishermen	4	214.00	53.50
	Sailors	14	606.00	42.29
	Sea Captains	1	79.50	79.50
	Steamboat Captains	1	65.50	65.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
VIII.	SOLDIERS	1	32.50	32.50
	Soldiers, Retired	1	32.50	32.50
IX.	BUSINESS MEN	206	9,920.50	48.16
	Bankers	4	222.00	55.50
	Book-keepers	8	312.00	39.00
	Boot and Shoe Dealers	1	39.50	39.50
	Builders	1	70.50	70.50
	Cattle Dealers	1	25.50	25.50
	Clerks	28	844.00	30.14
	Clothiers	2	130.00	65 00
	Collectors	1	28.50	28.50
	Contractors	2	118.00	59.00
	County Clerks	1	54.50	54.50
	Deputy U. S. Marshals	1	63.50	63.50
	Druggists	7	279.00	39.86
	Express Agents	2	116.00	58.00
	Fur Dealers	1	77.50	77.50
	Furniture Dealers	1	61.50	61.50
	Grain Dealers	3	191.00	63.67
	Grocers	9	496.00	55.11
	Hardware Merchants	1	33.50	33.50
	Hatters	1	74.50	74.50
	Hotel Clerks	1	35.50	35.50
	Hotel-keepers	21	1,026.00	48.86
	Insurance Agents	3	137.00	45.67
	Jobbers	1	79.50	79.50
	Justices of the Peace	3	230.00	76.67
	Land Agents	1	58.50	58.50
	Landlords	2	102.00	51.00
	Liquor Merchants	1	42.50	42.50
	Lumber Inspectors	1	69.50	69.50
	Manufacturers	10	499.00	49.90
	Merchants	42	2,267.00	53.98
	Merchants, Retired	2	148.00	74.00
	Mill-owners	1	60.50	60.50
	Music Dealers	1	28.50	28.50
	Notaries Public	1	66.50	66.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

Class.	OCCUPATIONS,—1878.	Number of Persons.	Age in Years and 100ths. Aggregate.	Average.
IX.	BUSINESS MEN—(Continued.)			
	Photographers	1	34.50	34.50
	Postmasters	1	57.50	57.50
	Real Estate Dealers	2	105.00	52.50
	Registers of Deeds	1	31.50	31.50
	Salesmen	4	130.00	32.50
	Saloon-keepers	25	1,143.00	45.72
	Stave and Barrel Manufacturers	1	29.50	29.50
	Ticket Agents	1	69.50	69.50
	Undertakers	2	106.00	53.00
	Wood Dealers	1	64.50	64.50
	Woolen Manufacturers	1	62.50	62.50
X.	PROFESSIONAL MEN	76	4,058.50	53.40
	Artists	1	30.50	30.50
	Attorneys	2	87.00	43.50
	Capitalists	1	56.50	56.50
	Dentists	3	116.00	38.67
	Editors	1	30.50	30.50
	Judges	1	65.50	65.50
	Lawyers	9	477.00	53.00
	Ministers	15	970.00	64.67
	Music Teachers	1	35.50	35.50
	Physicians	25	1,441.00	57.64
	Students	3	68.00	22.67
	Teachers	14	681.00	48.64
XI.	UNEMPLOYED	97	5,721.50	58.98
	Gentlemen	1	80.50	80.50
	Paupers	4	191.00	47.75
	Retired	2	144.00	72.00
	Tramps	2	46.00	23.00
	Unemployed	88	5,260.00	59.77
XII.	FEMALES	2,446	123,299.00	50.41
	Astrologists	1	42.50	42.50
	Bakers	1	24.50	24.50
	Basket-makers	2	147.00	73.50
	Blacksmiths	1	25.50	25.50

TABLE XXIX.—CONTINUED.—*Occupations of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Book-keepers	2	77.00	38.50
	Carpenters' Wives	3	110.00	36.67
	Courtesans	1	36.50	36.50
	Domestics	21	809.00	38.52
	Dress-makers	14	521.00	37.21
	Farmers	196	10,594.00	54.05
	Farmers' Daughters	5	127.00	25.40
	Farmers' Wives	122	6,431.00	52.75
	Gardeners	1	62.30	62.30
	Gardeners' Wives	1	36.30	36.30
	Gunsmiths' Wives	1	57.30	57.30
	Hair-dressers	1	33.30	33.30
	Hotel Servants	2	53.80	26.90
	Housekeepers	573	29,965.00	52.28
	Housewives	1,063	50,445.80	46.57
	House-workers	79	3,784.00	47.85
	Knitters	1	85.10	85.10
	Laborers	11	479.00	43.55
	Laborers' Wives	2	89.00	44.50
	Landladies	2	82.00	41.00
	Laundresses	2	124.00	62.00
	Lawyers	1	83.50	83.50
	Lawyers' Wives	2	88.00	44.00
	Masons' Wives	1	47.80	47.80
	Matrons	8	375.00	46.88
	Mechanics' Wives	2	126.00	63.00
	Merchants	5	217.00	43.40
	Merchants' Wives	1	33.50	33.50
	Midwives	3	183.00	61.00
	Milliners	9	320.00	35.56
	Ministers	1	38.00	38.00
	Music Dealers	1	22.50	22.50
	Music Teachers	1	24.30	24.30
	Nurses	4	270.00	67.50
	Paupers	1	73.50	73.50
	Physicians	3	160.00	53.33

TABLE XXIX.—CONTINUED.—*Occupation of Decedents in 1878.*

CLASS.	OCCUPATIONS,—1878.	Number of Persons.	AGE IN YEARS AND 100ths.	
			Aggregate.	Average.
XII.	FEMALES—(Continued.)			
	Physicians' Wives	2	55.00	27.50
	Printers' Wives	1	39.50	39.50
	Retired	3	212.00	70.67
	Saleswomen	1	34.50	34.50
	Seamstresses	14	482.00	34.43
	Servants	12	371.00	30.92
	Spinsters	3	216.00	72.00
	Students	1	20.50	20.50
	Tailoresses	7	467.00	66.71
	Teachers	25	796.00	31.84
	Unemployed	219	12,950.00	59.13
	Washerwomen	1	53.50	53.50
	Weavers	8	576.00	72.00
	Wives	17	783.00	46.06

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